

Short-term Grant

Report

'The utilization of modern and traditional medicines by rural elderly Malays in Pahang and Kelantan'

PPSP/304/6131134



Prepared by: Assoc. Prof. Dr. Zabidah Ismail
Pharmacology Department
The School of Medical Sciences
Universiti Sains Malaysia
Health Campus, 16150 Kubang Kerian
Kelantan, Malaysia
Tel:609-766 4707
e-mail:zabidah@kb.usm.my
H/P 012-2912767

RUJUKAN

WILAYAH PERSEKUTUAN MALAYSIA
KUALA LUMPUR

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BAHAGIAN PENYELIDIKAN & PEMBANGUNAN
CANSELORI
UNIVERSITI SAINS MALAYSIA

Laporan Akhir Projek Penyelidikan Jangka Pendek

1) Nama Penyelidik: Prof. Madya Dr. Zabidah Ismail

Nama Penyelidik-Penyelidik Lain (Jika berkaitan) : 1. Prof. Kamaruzaman Wan Su (UIAM)

2. Dr. Mohd. Hashim Mohd. Hassan

2) Pusat Pengajian/Pusat/Unit : Pusat Pengajian Sains Perubatan/

Jabatan Farmakologi

3) Tajuk Projek: 'The use of traditional medicine by rural elderly

Malays in Pahang and Kelantan'

- 4) (a) **Penemuan Projek/Abstrak**
(Perlu disediakan maklumat di antara 100 - 200 perkataan di dalam Bahasa Malaysia dan Bahasa Inggeris. Ini kemudiannya akan dimuatkan ke dalam Laporan Tahunan Bahagian Penyelidikan & Pembangunan sebagai satu cara untuk menyampaikan dapatan projek tuan/puan kepada pihak Universiti).

'The utilization of modern and traditional medicines by rural elderly Malays in Pahang and Kelantan'

ABSTRACT

An earlier NHMS (1996) reported that 2.3 % of elderly population utilized traditional medicines. Some traditional medicines contained steroids. Thus, the aim of the study were:

1. To determine the health seeking behaviour of elderly Malays living in rural areas.
2. To determine the utilization of medicine both modern and traditional during a 2 weeks recall.
3. To determine the steroid content of traditional medicine samples.

Methodology included a cross-sectional study of elderly Malays living in rural areas in Kelantan and Pahang. Results of the study showed that there were 82.3% elderly that took medications irrespective of types of medications out of 619 elderly. The trends of utilization of modern and traditional medicine among elderly Malays in Kelantan were that 59.3% and 40.9% meanwhile in Pahang were 45% and 75% respectively. Thus, the study showed that the utilization of traditional medicine among elderly Malays in Kelantan and Pahang were 42%. However, the utilization of traditional medicines without age consideration was 47% which was much higher than previous study and similar to those of France and Australia. The present study also found that some traditional medicines utilized by the elderly do contained steroids such as prednisolone and some other unknown steroids (74%).

ABTRAK

Laporan awal oleh NHMS (1996) menyatakan 2.3% orang tua mengambil ubat tradisional. Beberapa ubat tradisional dikesan mengandungi steroid. Oleh itu, matlamat kajian adalah:

1. menentukan tingkahlaku kesihatan warga tua kampung di Pahang dan Kelantan
2. menentukan kegunaan ubat moden/tradisional dalam 2 minggu lepas
3. menentukan kandungan steroid dalam sampel ubat tradisional.

Kaedah kajian melibatkan 'cross-sectional' antara warga tua kampung di Pahang dan Kelantan.

Keputusan kajian menunjukkan 82.3% daripada 619 warga tua mengambil ubat. Kadar penggunaan ubat moden dan tradisional adalah 59.3% dan 40.9% di Kelantan manakala 45% dan 75% di Pahang. Oleh itu, kajian menunjukkan kadar penggunaan ubat tradisional di kalangan warga tua Melayu di kedua negeri ialah 42%. Bagaimanapun, penggunaan tanpa mengira usia ialah 47% yang jauh lebih tinggi dari kajian lepas dan hampir menyamai peratusan negara Perancis dan Australia. Kajian ini menemui juga beberapa ubat tradisional yang digunakan mengandungi steroid seperti Prednisolone dan steroid lain yang tidak diketahui (74%).

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(b) Senaraikan Kata Kunci yang digunakan di dalam abstrak:

<u>Bahasa Malaysia</u>	<u>Bahasa Inggeris</u>
rural elderly	orang tua kampung
traditional medicine	ubat tradisional
steroid	steroids
utilization	penggunaan
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5) Output Dan Faedah Projek

(a) Penerbitan (termasuk laporan/kertas seminar)
(Sila nyatakan jenis, tajuk, pengarang, tahun terbitan dan di mana telah diterbitkan/dibentangkan).

1. Kertas kerja telah dibentangkan di MPS Pharmacy Scientific Conference 2002 - 31 Oktober - 2 November 2002
2. Penerbitan akan dihantar ke Journal of Pharmacy - sedang diusahakan
3. Laporan abstrak - ditamparkan

(b) Faedah-Faedah Lain Seperti Perkembangan Produk, Prospek Komersialisasi Dan Pendaftaran Paten.
(Jika ada dan jika perlu, sila gunakan kertas berasingan)

1. analisis steroid - boleh digunakan untuk menganalisa steroid dalam apa juga jenis sediaan farmaseutikal. Jika ada permintaan ujian kandungan boleh dilakukan

(c) Latihan Gunatenaga Manusia

i) Pelajar Siswazah

ii) Pelajar Prasiswazah:

g. Seorang pelajar B Sc (Biomed), PPSK telah menjalani disertasi tajuk ini

iii) Lain-Lain: Melatih pelajar-pelajar perubatan (GFCS) dalam menemuduga warga tua.

2. Pembantu Penyelidik dalam kajian steroid dan temuduga

6. Peralatan Yang Telah Dibeli:

1. calculator
.....
2. camera
.....
3. peti ais
.....
4. C. G. Swift Clinical Pharmacology for the Elderly Marcel
.....
Dekker New York
.....
5. J. E. Murphy Clinical Pharmacokinetics 2nd. ed.
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ASHP, New York
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UNTUK KEGUNAAN JAWATANKUASA PENYELIDIKAN UNIVERSITI

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T/TANGAN PENERUSI
J/K PENYELIDIKAN
PUSAT PENGAJIAN

Assoc. Prof. (Dr.) Zabidi Azhar Mohd. Hussin
Chairman of Research & Ethics Committee
School of Medical Sciences
Health Campus
Universiti Sains Malaysia -
16150 Kubang Kerian
KELANTAN, MALAYSIA.

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 - F2: dated 20th August 2002
- Appendix G: Ethical approval letter
- Appendix H: Abstract of study presented at the MPS Scientific Conference 2002 and power point presentation
- Appendix I: Powerpoint presentation of the study presented at The Pharmacology Dept. on 12th March 2003 by PPSK student
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Study Title: The use of modern and traditional medicines in the rural elderly
Malays in Pahang and Kelantan

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Name and address of study in Kelantan: Villages in Tumpat and around
Universiti Sains Malaysia,
Kampus Kesihatan,
16150 Kubang Kerian,
Kelantan


Name and address of study in Pahang: Villages in Temerloh and around,
Kulliyah of Medicine,
Universiti Islam Antarabangsa,
Kuantan,
Pahang

Dates of study (start, completion): December 2000 - December 2002

Signature Page

Name of Investigators:

1. Associate Professor Dr. Zabidah Ismail

Signature

.....

Date

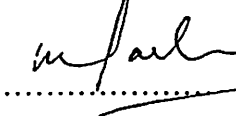
17.3.2003
.....

2. Professor Dr. Kamaruzaman Wan Su


.....

18.3.2003
.....

3. Dr. Mohd Hashim Mohd Hassan


.....

18.3.2003
.....

List of other study personnel: Puan Normah Musa
Encik Rafeezul Mohamad

ABSTRACT

The elderly population of Malaysia is increasing due to improved health care services and decline in child mortality. The National Health Morbidity survey in 2000 revealed that women lived longer than men and that the ratio of 2 women for every 1 man and there is feminization of the elderly population¹. An earlier National Health Morbidity Survey in 1996 reported that 2.3 % of elderly population utilized traditional medicines during a 2 weeks recall². However, data from other countries has shown a much higher percentage of utilization with 49% in France, 33% in USA, 24% in Denmark, 60% in Hong Kong and 48.5% in Australia. It is assumed that the utilization of traditional medicine by the elderly in Malaysia will be much higher than previous study³. There have been reports that some traditional medicines contained steroids. Long term use of steroids are harmful not only to the elderly but also to others. Thus, the aim of the study were:

1. To determine the health seeking behaviour of elderly Malays living in rural areas.
2. To determine the utilization of medicine both modern and traditional during a 2 weeks recall.
3. To determine the steroid content of traditional medicine samples.

Methodology included a cross-sectional study of elderly Malays living in rural areas in Kelantan and Pahang. In this survey, the elderly were those above 60 years old and interviewed using structured questionnaires that entailed their health seeking behaviour and properties of the medications they took. Samples of traditional medication thus collected were sent to the Pharmacology Department, School of Medical Science, USM for steroid analysis content using Thin Layer Chromatography method.

Results of the study showed that the available data for total number of respondents interviewed in the rural areas of both states were 752 people whereby 688 respondents

interviewed were in Kelantan meanwhile the other 64 respondents were from Pahang. There were 619 elderly out of 752 respondents interviewed whereby 96.8% in Kelantan and 3.2% in Pahang. The respondents comprised of 62% of females meanwhile 38% were males. The elderly interviewed in this study were subgroup into three age groups that is 60-69 cohort age group made up 49% followed by 70-79 years of 36% and more than 80 years of age were 15%.

There were 82.3% elderly that took medications irrespective of types of medications out of 619 elderly. Some elderly took modern medicines or traditional medicines only and some took both modern and traditional medicines.

The trends of utilization of modern and traditional medicine in the last two weeks among elderly Malays in Kelantan were that 59.3% and 40.9% meanwhile in Pahang were 45% and 75% respectively. This shows that elderly took more modern than traditional medicines in Kelantan. In Kelantan, there were 102 traditional medicine samples collected and analyzed. About 27.5% of the samples contained prednisolone, 34.3% positive for unknown steroids and 38.2% negative for both steroids. There were 33 samples collected in Pahang and the results showed that 66.7% of the samples were positive for prednisolone while 33.3% showed negative results.

Thus, the study showed that the utilization of traditional medicine among elderly Malays in Kelantan and Pahang were 42%. However, the utilization of traditional medicines without age consideration was 47% which was much higher than previous study² and similar to those of France and Australia. The present study also found that some traditional medicines utilized by the elderly do contained steroids such as prednisolone and some other unknown steroids (74%) which confirmed the reports²² that some traditional medicines are contaminated with steroids⁴. Pahang has a higher prednisolone content than Kelantan. Since steroids are harmful to our health, the consumption of steroids by the

elderly are detrimental to their health of the elderly in the long term and there is a need to put a stop to this.

STUDY PROTOCOL

INTRODUCTION

Ageing is a normal gradual process of growth and it is considered the end stage of a life cycle of a human being. In the normal life cycle of a human being, it will start with birth, growing, ageing and lastly dying. Ageing is usually defined as a progressive, generalized impairment of functions resulting in a loss of adaptive response to stress and in growing risk of age associated diseases. The combination of genetics, environment, lifestyle, nutrition and chance are the lifelong trajectory of health and diseases⁵.

Elderly is a stage which is also known as golden age (warga emas) among Malaysians. In Malaysia, the population of elderly is increasing due to increase life expectancy, with decline in maternal and fetal mortality due to improved health care services. Data from Lembaga Penduduk dan Pembangunan Keluarga Negara (LPKKN) estimated that the number of elderly which exceed 65 years old of age will increase from 3.9% in 2000 to 6.1% in 2020⁶. The percentage of 3.9% is equal to 900000 elderly peoples meanwhile 6.1% represent 2.05 million elderly⁶. The number of elderly aged above 60 years old will be 3.3 million peoples in 2020⁶.

The world population of 65 years and above were estimated to be 368 million in 1995 which was 6.4% of the world total population⁵. This represented an increase of 48 million since 1990. In the mid-1990s, the net balance of the world's elderly increased by more than 800000 persons each month and that 70% occurred in the developing countries such as Indonesia, Colombia, Kenya and Malaysia. Projections of the year 2010 suggested that the net monthly increase will be in excess of 1.1 million elderly⁵. In 1999, the life expectancy at birth for male in Malaysia was 69.6 years old, meanwhile for female was 74.6 years old⁷. This resulted in demographic changes whereby the elderly population will

increase especially female elderlys. The increase in life expectancy since the mid-1800s has been due to the decline in mortality from respiratory diseases especially tuberculosis, pneumonia and other infectious diseases⁵. Other factors such as clean water, good sanitation and immunization initiatives programmes among childrens have been especially potent in improving the life expectancy in developing countries⁵.

From the survey conducted by National Health Morbidity in the year 2000 showed that female lived longer than male and that the ratio between them were two females for every one male¹. The imbalance of this sex group tend to produce feminization of the elderly population. In the twentieth century, the difference of female versus male life spans, universally has been in favour of the women. This problem did not occur in Malaysia only but all over the world such as in Japan which has the highest overall life expectancy in mid-1990s, where the life expectancy at birth for male was 76.4 years old and that for female was 82.1 years old⁵.

In developing countries like Malaysia, there is a lack of attention given to the issues and problems related to elderly peoples. Therefore, the stakeholder in health care such as the government and private doctors, pharmacists and researchers should be aware of the issues faced by elderly people⁸. Increase in age carries with it changes in the physiology of the elderly. Majority of elderly suffers from multiple diseases that forced them to seek treatment either modern or traditional medicines or other alternative medications.

There is a need for a study to see the health seeking behaviour of elderly (during a two weeks recall) especially in the areas of their drugs usage. For modern medicines, we assumed that it is quite safe as the elderly will follow the instructions given by the doctors or pharmacists. However, usage of traditional medicines are still questionable and that among experts questions arise regarding the contents and safety of it usage. There are many unregistered traditional medicines sold widely in this country. The problem becomes more serious because the society is most likely to utilize traditional medicines whether those

produced locally or imported from other countries such as Thailand and Indonesia. They believed that this group of drugs can cure their diseases and that they do not give any side effects.

Ministry of Health is very concerned with the utilization of traditional medicines among consumers in Malaysia because they not only contain herbs but also contained other contaminants such as steroids, dexamethasone, antihistamine, local anaesthetics, hormones and other poisons⁴. Also some unregistered traditional drugs were contaminated with high contents of heavy metals such as leads, mercury, and arsenics⁴. Mercury can cause vomiting, bleeding, diarrhea, disturbance of nerves and renal functions meanwhile the use of lead can cause anemia and disturbance of nerves and mental illness. Traditional drugs contained dexamethasone and hormones caused swelling of face, delay healing process of tissues and diseases, brittle of bone and renal failure⁴.

With this background and that of scarcity of data, a study has been conducted by Science University of Malaysia (USM) and International Islamic of University (UIA) in rural areas in Kelantan and Pahang. Focus of this study was elderly Malays aged above 60 years old as in Malaysia, elderly is defined as those 60 years old and above, as recommended by Malaysian Medical Association (MMA). The data will be collected using structured questionnaires enquiring about the usage and properties of drugs consumed. Sample of traditional medicines thus collected will be analyzed using Thin Layer Chromatography (TLC) method for the determination of steroid content at Pharmacology Laboratory.

Traditional medicine is inherited and practised from generation to generation. The practise is passed on to the next generations by oral, writing, practices and believes by every society⁹. In Malaysia, we are lucky because there are many experts in traditional medicines and that our country is rich with variety of plants with medical importance⁹. Traditional medicine system has been practised even before the coming of colonial era.

However, when the colonials seized this country, the practice of traditional medicine was limited and the concept of allopathy medical was introduced⁹. Until now and today the health care system is practising modern medicine or allopathy as the main component. Nowadays, World Health Organization (WHO) as one of the most important international health agency are encouraging the use of traditional medicine as one of the important component of health care system⁹.

The existence of many books on "plants and traditional medicine" showed that foreign and local researchers are interested with this field of study⁹. Many researchers had extracted the plants with the believes that they had medical importance. Traditional medicines have a high commercial value and that a lot of people is selling them in this country and worldwide. There are many herbal companies who had co-operated with the local universities to do research on medicinal plants such as 'Tongkat Ali'. There are many researchers among the higher institutions such as 'Pusat Pengajian Sains Farmasi, Universiti Sains Malaysia (USM), Universiti Kebangsaan Malaysia (UKM), Universiti Teknologi Mara (UiTM), Biro Pengawalan Farmaseutikal Kebangsaan and Lembaga Penyelidikan Perhutanan Malaysia (FRIM)'. The products are processed at their factories as powder, tablets, capsules which are easier to consume rather than the plants (akar kayu). However, there are some irresponsible companies or individuals who sell unregistered traditional medicine to gain more money⁴. Registered traditional medicines products are labelled with 'MAL', followed by eight numerical or 'PKBD' and proceeded by six numerical at the bottles or boxes i.e. 'T' for traditional products, 'X' for no poisons or 'A' for poisons⁴.

Traditional medicine is defined as a non-prescription drugs bought over the counter or by direct selling that contain herbal/natural products which are consumed orally either as powder, tablet, capsules, caplets, emulsion, suspension, mixtures or boiled preparations. This include Pharmaton, Zinaxin, Remifemin, or other herbal containing products¹¹.

Modern medicines are defined as prescription drugs obtain from physicians or over the counter.

Traditional medications that are contaminated with steroids raised a lot of concern if the elderly took them for long term²². Long term chronic used of contaminated traditional medications that contained prednisolone for examples will cause problems. Prednisolone is one of the steroids that can reduce swelling and decreases the body's immune response. Prednisolone is also use to treat endocrine disorders and many immune and allergic disorders such as arthritis, lupus, severe psoriasis, severe asthma, ulcerative colitis and Crohn's disease²¹. Long term use of prednisolone will weaken the body's immune response and reduce the ability to fight infection by bacterial, viral or fungal²¹, increase blood pressure, bruising, acne, swollen hand, sore or weak of the muscle²¹. Other side effects include insomnia, nausea, vomiting or stomach upset, muscle weakness or joint pain, increased hair growth and osteoporosis²¹.

REVIEW OF LITERATURES

The "Epidemiology In Old Age" edited by S Ebrahim and A Kalache and edited by BMJ publishing group in collaboration with World Health Organization concentrated on global issues of ageing. Firstly, this book introduced about biological mechanisms of ageing and at the end of this section focused on utilization and evaluation about health care. The second part concerned about risk factors and health status assessment in old age. Then the third and last chapter provided up to date reviews of the relevant epidemiological and health policy implications of a wide range of common diseases and problems affecting older people⁵.

Clinical Pharmacology in the elderly embarked on aspects of aging relevant to the use of drugs in the elderly²³. Because of the decline in human physiology such as renal/hepatic, use of drugs in the elderly need proper caution. Aspect of renal and hepatic elimination influenced greatly the excretions of drugs. Meanwhile, pharmacokinetics of commonly used drugs need to be monitored for optimal treatment. This applies well for young people, however, the monitoring of drug levels become essential for elderly because of the decline in body functions²⁴.

'Tumbuhan dan Perubatan Tradisional' by Muhamad Z and Mustafa A.M focused on traditional medicine in a Malay village. This book also discussed in detail about plants used in traditional medicine and the practices of 'tok mudin, mak bidan and bomoh'. Beside that, it also discussed some drugs specific for males and females. Eventhough this book did not discuss regarding the utilization of traditional medicine among elderly, we can assumed that the traditional medicine was practised from one generation to next generation before colonization of our country up until now¹⁰.

Actually, there are not many studies done on traditional medicines especially among Malay elderly groups. One of the study sponsored by the World Health Organization (WHO)

with the topic "Health and Aging in Malaysia" was conducted by Paul C.Y et. Al in 1986. This study was carried out with the aim to assist authorities in identifying health and social problems pertaining to the elderly. It focused on demographic profile of the aged, examined the health and functional ability, mental health, use of health services, living conditions and social participation of elderly. Regarding the use of medications, it quoted that 29% took traditional medications either Malay herbal medicines or Chinese herbal medicines¹².

One of the study done by Adirukmi N.S. et all with the topic " A Study of Traditional Medicines Used by Bajau Tribe and The Responsibilities of Its Development on widespread Basis" and presented at International Conference Of Bajau/Sama Community "Bajau Meniti Zaman", reported the use of traditional medicinal plants by Bajau tribes. The obstacle of their research on traditional medicinal herbs included habitats converted to industrial areas, housing estates and excessive logging. The young generations are not interested with the traditional medicine and depends on modern medications especially in urban areas. The knowledge of traditional medicine decreased because the practitioners like 'tok bomoh' are getting old and that the next generations are not interested in inheriting this knowledge. This paper also included some steps that should be taken to avoid the extinction in the use of traditional medicine among Bajau tribe¹³.

Other surveys conducted by National Health Morbidity in 1996 reported that 2.3% population seek care from traditional medicines². However, data from other countries had shown very high percentage. For example:

- France - 49%
- USA - 33%
- Denmark - 24%
- Hong Kong - 60% and
- Australia - 48.5%.

The literatures and mass media^{4&22} also exposed that some traditional medications available throughout Malaysia are supposedly contaminated with other substances including steroids. These adulterants are purposely added to the traditional preparations to encourage their usage as the use of steroids improve body functions and elderly do feel better. However, its long term usage are detrimental.

LACUNA

So we assumed that based on culture and background, a bigger percentage of users of traditional medicine in Malaysia particularly among elderly group just like that practised in other countries³.

Some traditional medications contained steroids and the percentage probably high near the country border especially in Kelantan compared to that of Pahang^{4&22}.

OBJECTIVES OF THE STUDY

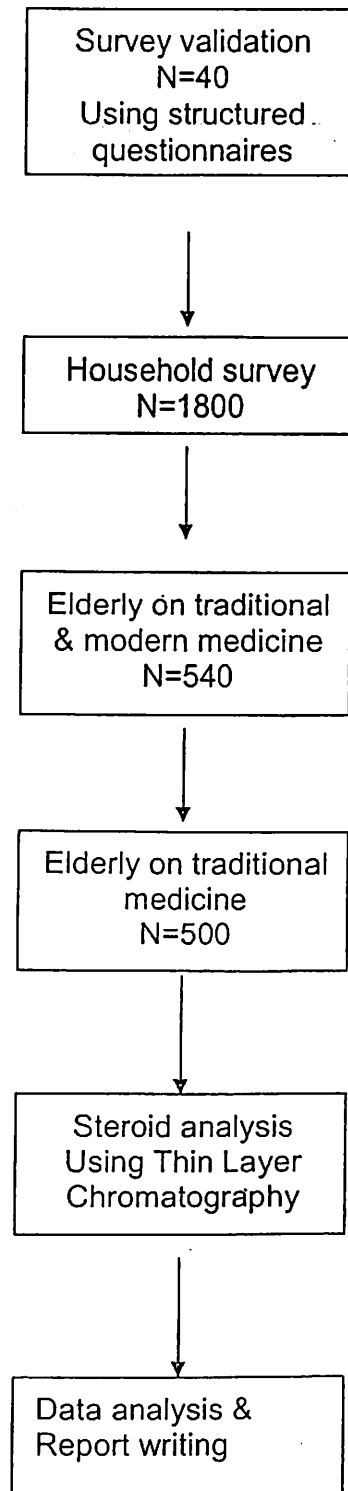
This study is concentrated on elderly Malays aged above 60 years old living in rural areas of Kelantan and Pahang. This study seek to determine:

- The health seeking behaviour of elderly Malay living in rural areas in Kelantan and Pahang.
- The utilization of medicine both modern and traditional during a two weeks recalls.
- The contents of the steroid in the traditional medications used.

METHODOLOGY

The research methodology (Appendix A) has been approved on 18th October 2000 by the Jawatankuasa Sains Bio-Perubatan dan Kesihatan, Pusat Pengajian Sains Perubatan (refer letter dated 8th December 2000, Ref. No: FPP 2000/248), see Appendix G. The study was sponsored by Universiti Sains Malaysia, Grant No. PPSP/304/6131134.

This study involved many phases as described by research flow chart below (flow chart 1). The first phase was survey validation whereby all the questions in questionnaires will be validated, followed by the household survey proper. Thirdly, analysis of elderly taking modern and traditional medicines. Fourthly, all the traditional medicine samples collected from respondents will be analyzed for the presence of steroids. Finally, all the results and data from questionnaires will be analyzed and writing of the research project.



Flow chart 1: The methodology of the study

Cross sectional study

This cross sectional study involved the elderly Malays living in rural areas in Kelantan and Pahang. All the elderly aged above 60 years old were taken as a sample for this study. They were interviewed and the data were collected using the structured questionnaires (Appendix B). This questionnaires contained two sections. Section A included personal profile and sociodemographic data such as:

- Name
- Address
- Age
- Year of birth
- Sex
- Education status
- Occupational status

Meanwhile section B contained health seeking behaviour during the last 2 weeks and record of the medications taken during the last two weeks such as:

- Types of drug
- Source of drug
- Types of drug
- Name of drug
- Route of medication
- Drug storage
- Residue of drugs
- Date

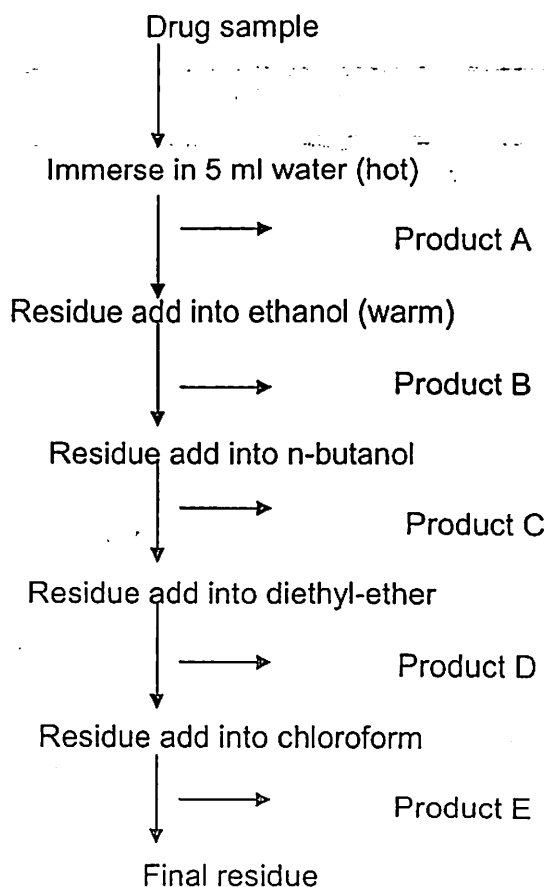
Steroid analysis

Samples of traditional medicines were collected from the elderly include powder, tablets, capsules, emulsion, suspension and mixture and sent to Pharmacology Laboratory for steroid content analysis. This analysis was done using Thin Layer Chromatography (TLC). Thin Layer Chromatography (TLC) method is based on a multi-stage distribution process. This process involved: a suitable adsorbent (the stationary phase), solvent or solvent mixtures (the mobile phase or eluent), and the sample molecules. The adsorbent of TLC was coated as a thin layer onto a suitable support (e.g. glass plate, polyester or aluminium sheet). The substances were separated by elution with a suitable solvent on this layer¹⁴.

Principle steps of Thin Layer Chromatographic (TLC) separation.

Sample preparation

Thin Layer Chromatography involved several steps of sample pretreatment which included sampling, mechanical crushing of a sample, extraction steps, filtration and sometimes enrichment of interesting components or clean up to remove undesired impurities¹⁴. The medication samples were extracted with 5 different solutions and were filtered using the filter paper. The solutions involved were hot water, ethanol, n-butanol, diethyl-ether and chloroform. The extraction steps involved as flow chart 2.



Flow chart 2: The extraction steps

Spotting on TLC plate^{14,15}

Product A, B, C, D and E from the extraction were dried on the magnetic stirrer hot plate. The different solutions were used in the extraction steps to find the best extraction. TLC plate used in this laboratory was aluminium sheet with silica layer. The particle size for standard silica is between 5 to 17 μ m. The thickness of the layer is 0.25 mm. This plate are much stable and easily to cut. Beside that, the plate has a torsional strength which almost as good as glass plate it also can be sprayed and dipped with purely aqueous visualization reagents without damage to the layer. TLC plate was prepared by marking the origin with a

light pencil line at least 1 cm from the bottom of the plate. Then, a line was scored on the plate 10 cm above the origin indicated that optimum position of the solvent front. The sample and standard were spotted on the TLC plate which are cleaned and freed from grease. This process was applied with a glass capillary. The technique required manual skill to obtain reproducible results. Each glass capillary was used once to avoid contamination of the following sample. The capillaries were dipped into dry products mixed with several drops of 95% ethanol and filled itself quickly. The capillary was placed on the layer vertically so that the capillaries emptied itself and carefully to avoid damaged to the layer. This process was done on the magnetic stirrer hot plate to keep spots as small and compact as possible.

Developing of chromatogram^{14,15}

Glass TLC development tanks had a ground-glass rim formed an airtight seal with a glass cover plate. All tanks were lined with filter paper and the solvent consisted chloroform, methanol and water with ratio 64:50:10. These solvents were added at least 30 minutes before the chromatogram is to be developed to produce an atmosphere with solvent vapour to aid reproducible chromatography. The mobile phases were prepared daily because its composition would change due to chemical reaction and evaporation. The TLC plate was placed in the saturated tank that the level of the solvent was above the bottom edge of the silica layer on the plate but below the level of the spots applied to the plate, then the tank was closed using the lid. The chromatogram was allowed to develop usually 10 cm from the origin. After that, the plate was left under the fume hood and was allowed to dry.

Visualization of separated substances^{14,15}

Before the spray process, it is necessary to recognize the position of substances spot under UV scanner. Some cases the sample was a dye that could be seen easily with naked eye. Much more often for unspecific visualization substances was viewed under UV light because many substances showed UV absorption. The fluorescence indicator was added to the layer, it appeared as dark spots on the fluorescence layer. Customary fluorescent indicators were excited at 254 nm or (less frequently) at 366nm with a mercury lamp. The identification of separated substances is possible via R_f values compared to the pure compound.

Spraying^{14,15}

The developed and dried TLC plate was placed under the fume hood because the spray reagents were extremely toxic. The sprayer was filled with 5-10 ml solution of spray reagents. The distance between the sprayer and TLC plate was 15 ml and in an inverted position to avoid the risk of excess reagent being drawn up the plate by capillary action and destroying the lower part of the chromatogram. The TLC plate was sprayed firstly by 5% sulfuric acid in ethanol:

- 5 ml sulphuric acid was added in 95 ml absolute ethanol
- and followed by 1% vanillin in ethanol
- 1 gram vanillin was added in 100 ml absolute ethanol.

After the spray process, the TLC plate were left in the oven at temperature 110° C for 5 till 10 minutes. The results were recorded as quickly and careful as possible because the appearance of certain compounds may change with time. Steroid standard used in this method was prednisolone.

The positive results are when the spot were blue or yellow and at the same level with control.

RESULTS

Collection of data by interviewing the respondents were informative and fruitful. Respondents were very co-operative and helpful. Picture 1 showed one of the students interviewing one of the elderly respondents in Kedai Lalat, Kota Bharu, Kelantan.

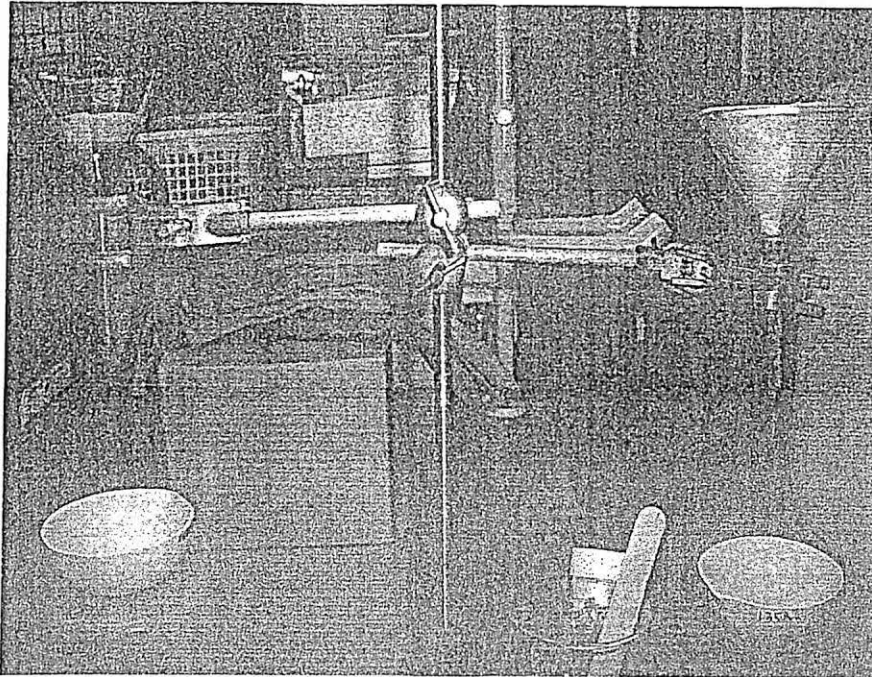


Picture 1: A student during an interview with an elderly respondent regarding her use of modern and traditional medicine in Kelantan.

All questionnaires are collected (Appendix D) and checked by the researchers/research assistant. Each survey form was given a code number for easy reference, e.g. A 222. The same code number was used for steroid tests (Appendix E). All available traditional medications were kept in the refrigerator or filing cabinets before the steroid analysis.

Steroid tests were done in batches of 5 medications. Steps of analysis of steroids are shown as pictures below.

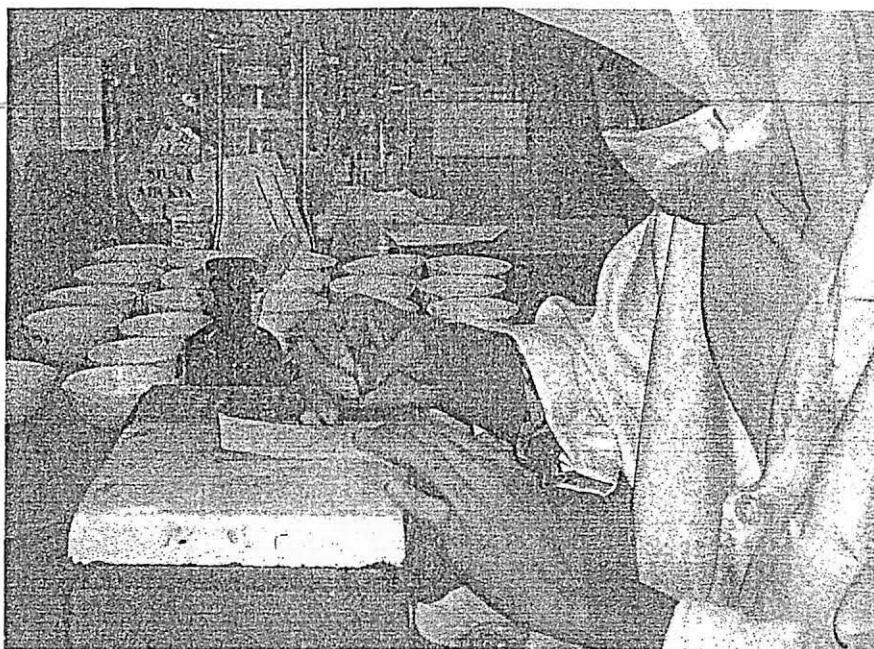
The pictures below show the steps for the analysis of steroids in the traditional medicine drug samples (Picture 2-8)



Picture 2: The extraction phase



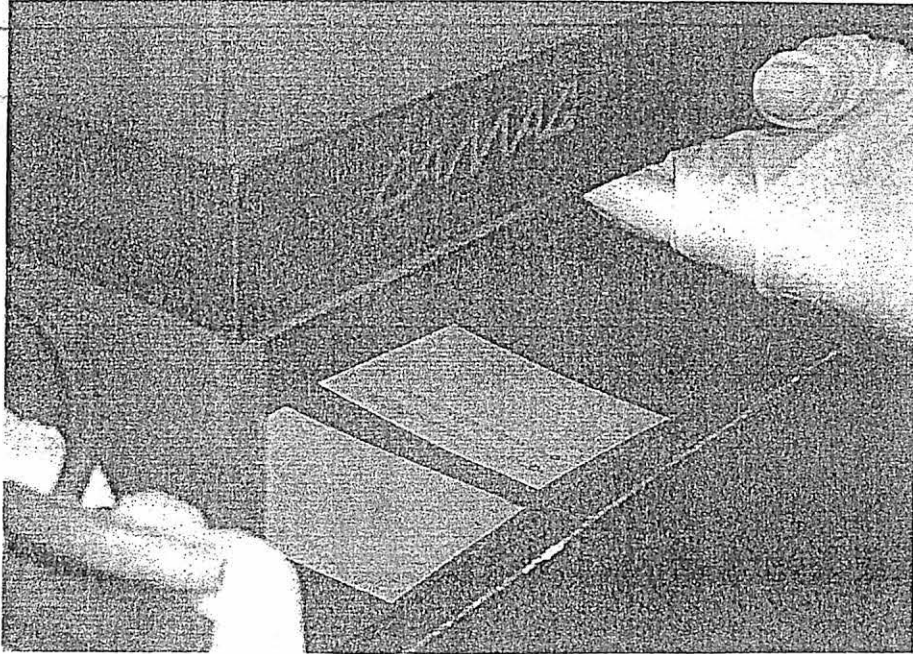
Picture 3: The extraction products



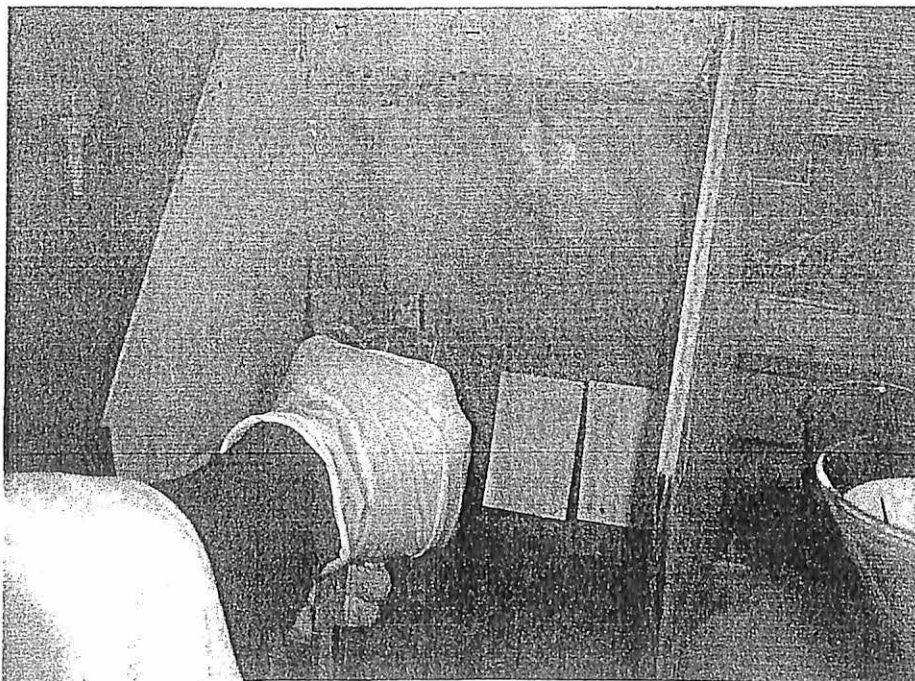
Picture 4: Spotting the TLC plate



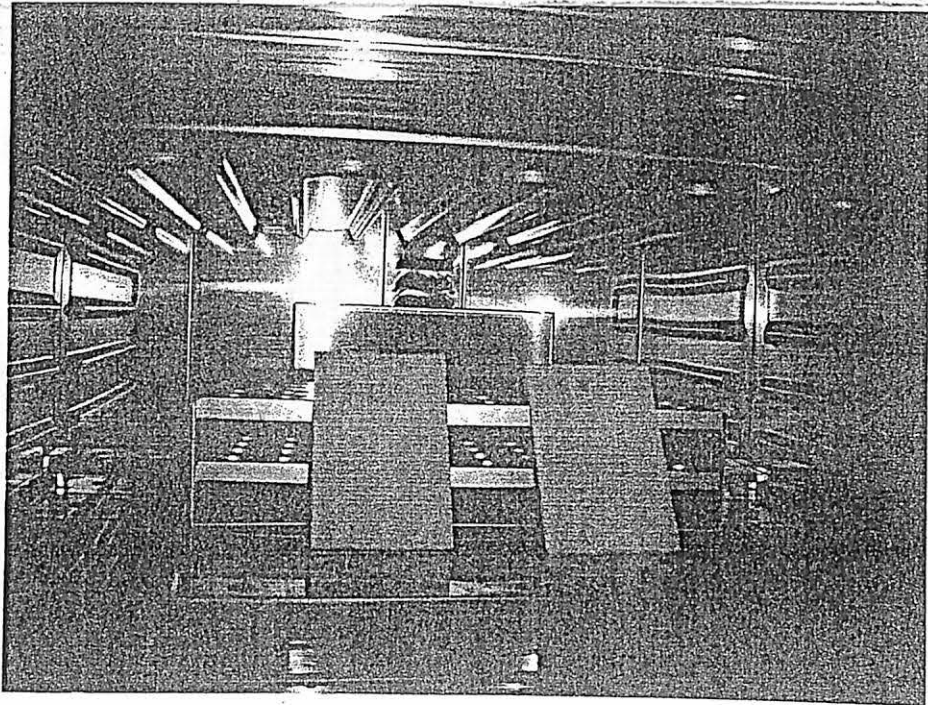
Picture 5: Developing the chromatogram



Picture 6: Visualization of separated substances



Picture 7: The spraying process

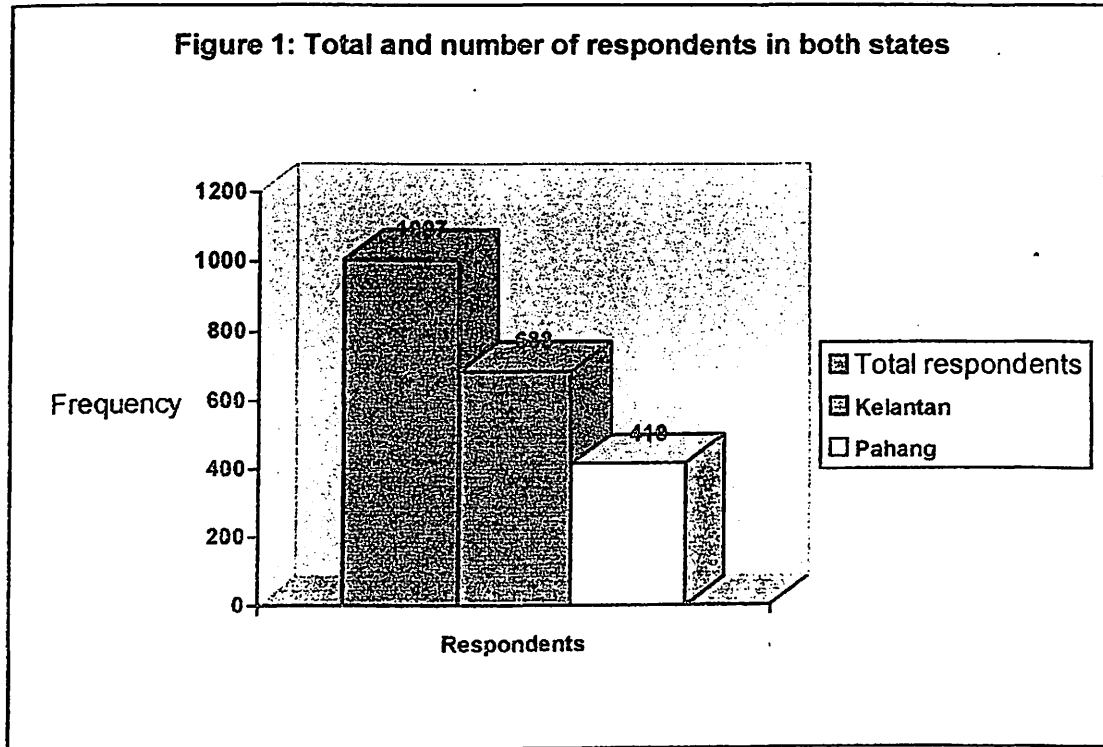


Picture 8: Drying of samples in the oven

The figures below show all the data that were collected from the cross-sectional study of elderly Malays living in rural areas in Kelantan and Pahang (see appendix C for detail of individual elderly). The study was performed by using the structured questionnaires and data analyzed are presented as bar and pie charts. The figures below represent the total of respondents, sex of respondents, age of respondents, the utilization of both modern and traditional medicines and the steroid content.

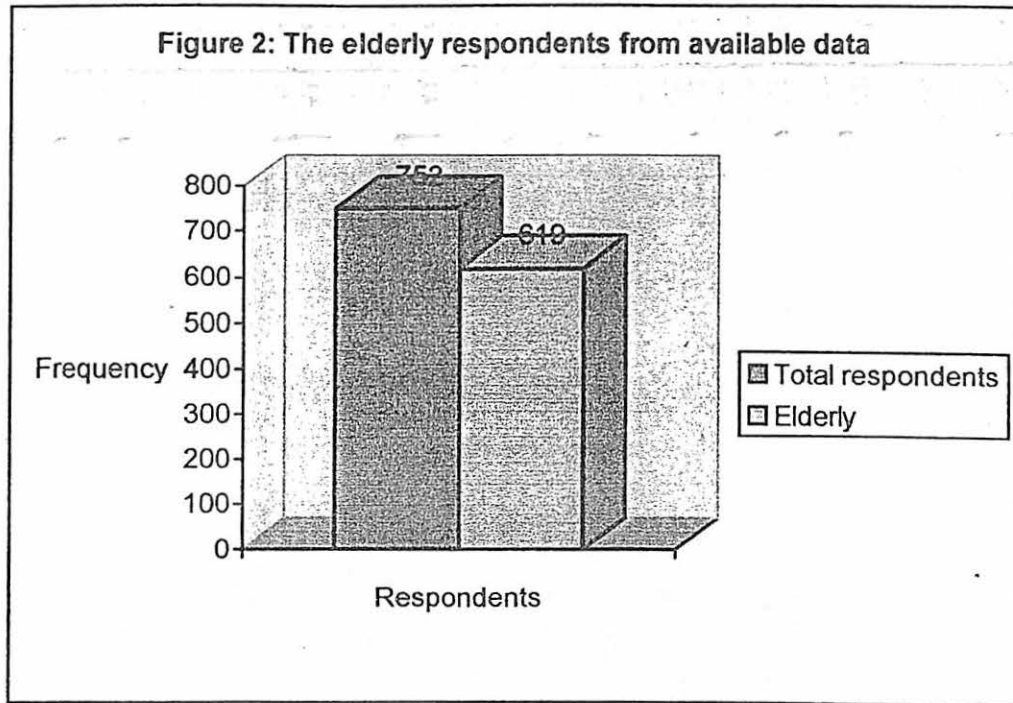
1. Total and number of respondents in both states.

Figure 1 shows the total number of respondents interviewed in Kelantan and Pahang. The total number of respondents interviewed in both states were 1007 peoples. It consisted of 688 respondents from Kelantan and 419 respondents from Pahang.



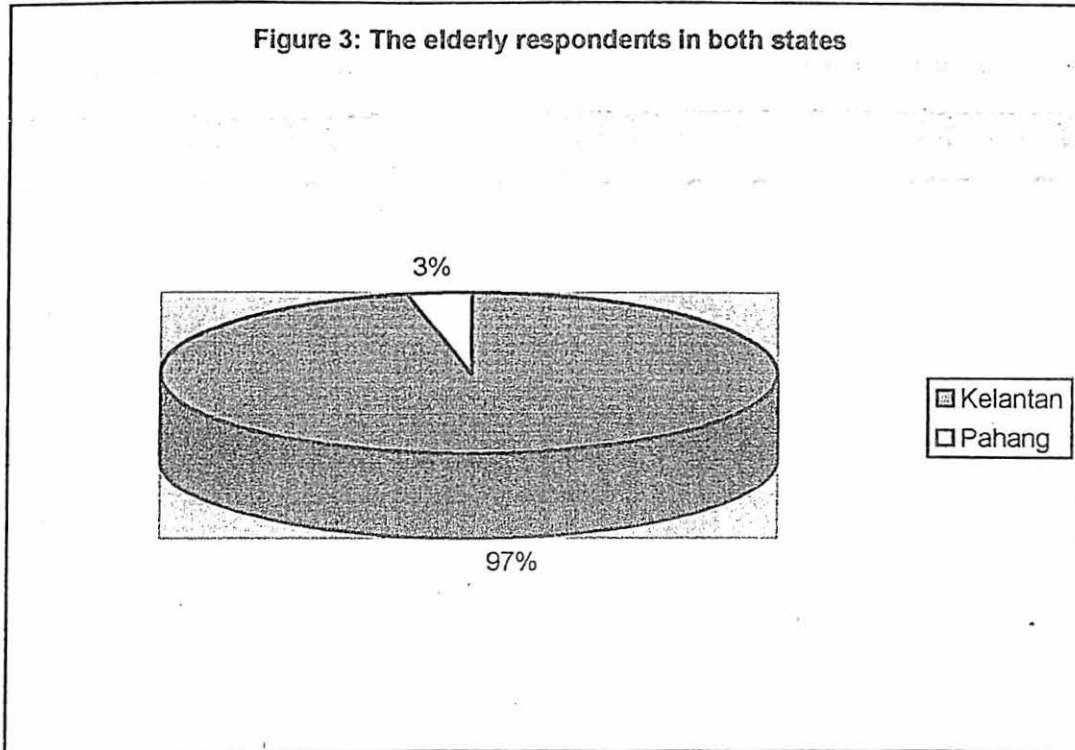
2. The available data

Currently, the data available to us were 688 questionnaires forms from Kelantan and 64 out of 419 questionnaires forms from Pahang team. The total available respondents interviewed in both states were 752 people. Out of 752 respondents interviewed, 619 were elderly respondents (Figure 2).



3. The elderly respondents

Figure 3 reveals the percentage of elderly respondents interviewed in Kelantan and Pahang. There were a total of 619 elderly out of 752 respondents interviewed in both states whereby 96.8% in Kelantan and 3.2% in Pahang.



3.1. Sex of elderly respondents

Female respondents comprised a higher percentage than male with 62% and 38% respectively (refer Figure 4). Apart from that, among 599 elderly respondents interviewed in Kelantan, 37.6% of them were males and 62.4% was females. Meanwhile, there were equals percentage of both male and female respondents interviewed in Pahang (refer figure 5).

Figure 4: Sex of elderly respondents

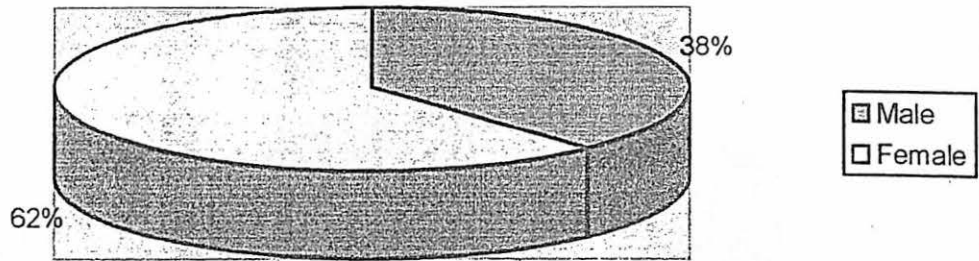
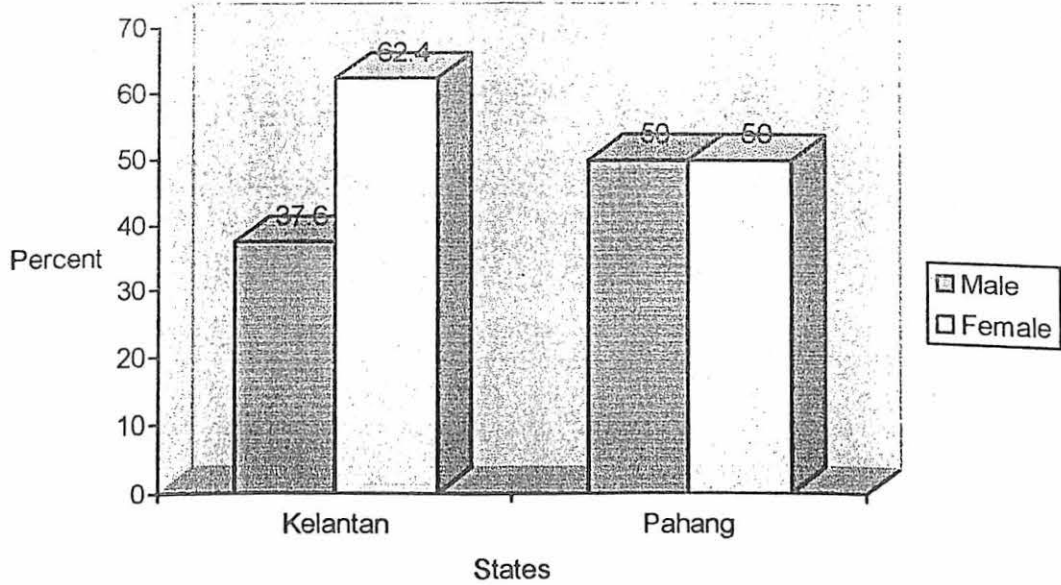


Figure 5: Sex of elderly respondents in both states



3.2. Age of respondents

Figure 6 shows the three age group of elderly respondents interviewed in Kelantan and Pahang. There were three age groups namely, 60-69 years, 70-79 years and above 80 years old. In both states, the respondents aged 60-69 years old was the highest percentage with 49%, followed by elderly aged 70-79 with 36% and above 80 years old with 15%. This situation is similar in both states where the first cohort group is the highest percentage with 48.7% and 80% respectively. For 70-79 years old, 36.1% in Kelantan and 20% elderly respondents in Pahang. Meanwhile, the elderly Malays aged above 80 years old were the smallest number interviewed in both states being 15.2% from Kelantan and no respondents recorded in Pahang (refer Figure 7). Figure 8 shows the sex ratio in the three age group. Data shows that female was the highest frequency in every level of age. The percentage of female aged 60-69 years old was 31.8% and male was 17.9%. The second cohort group comprises 14.4% of male and 21.2% of female meanwhile the elderly above 80 years include 5.7% of male and 9% of female.

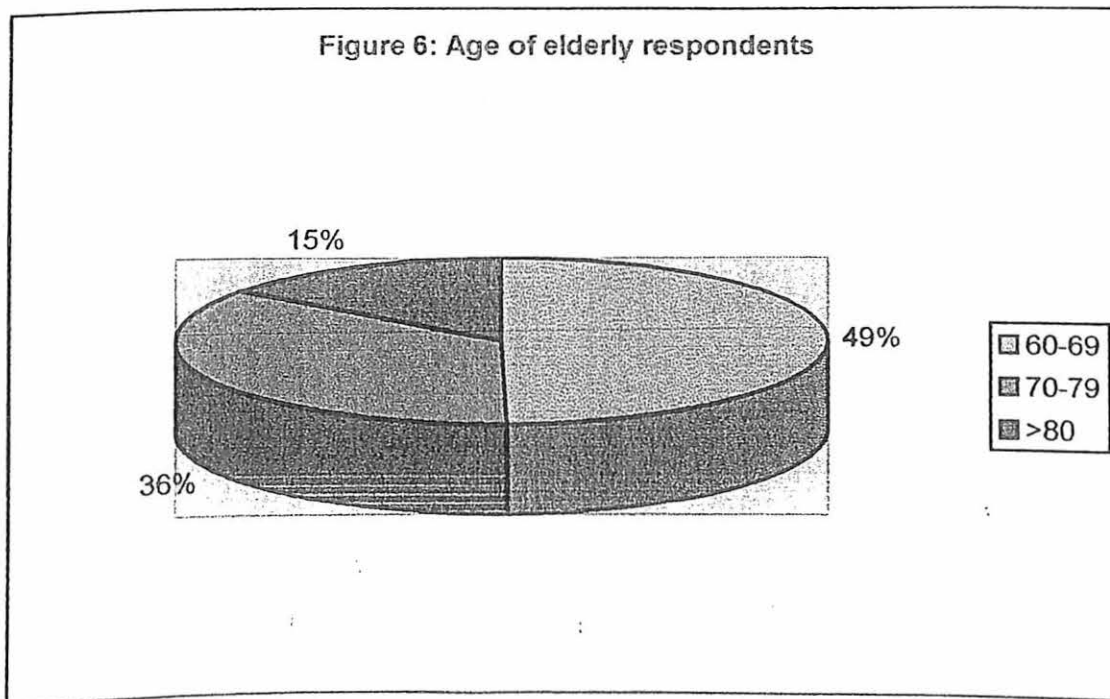


Figure 7: Age of elderly respondents in both states

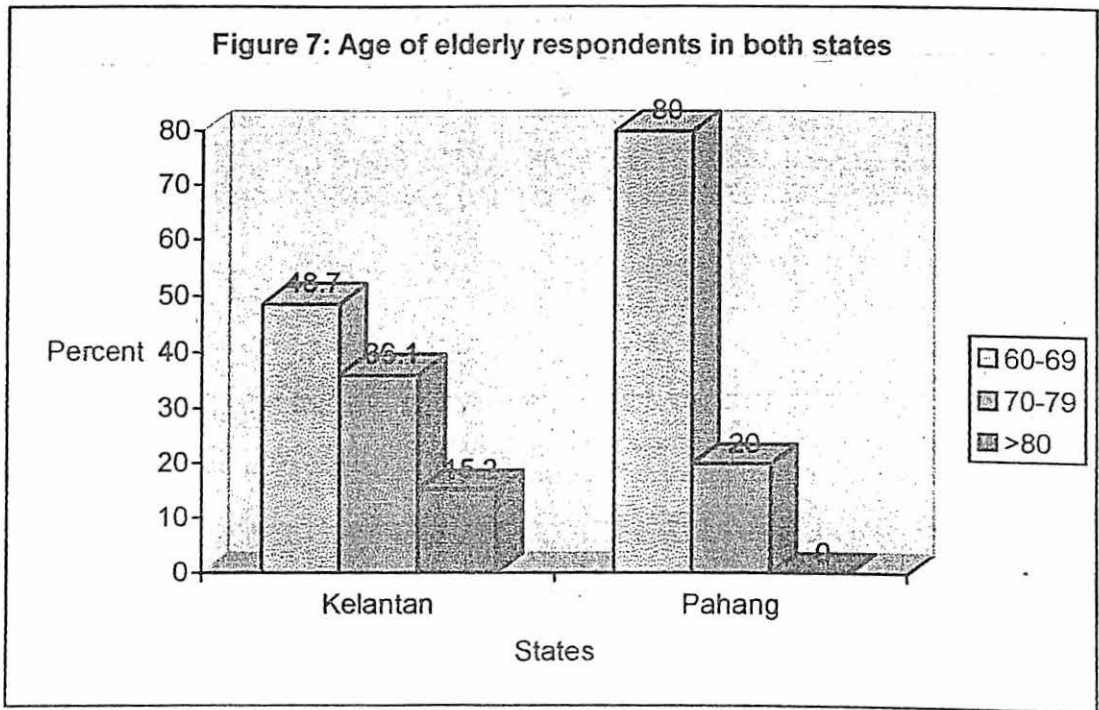
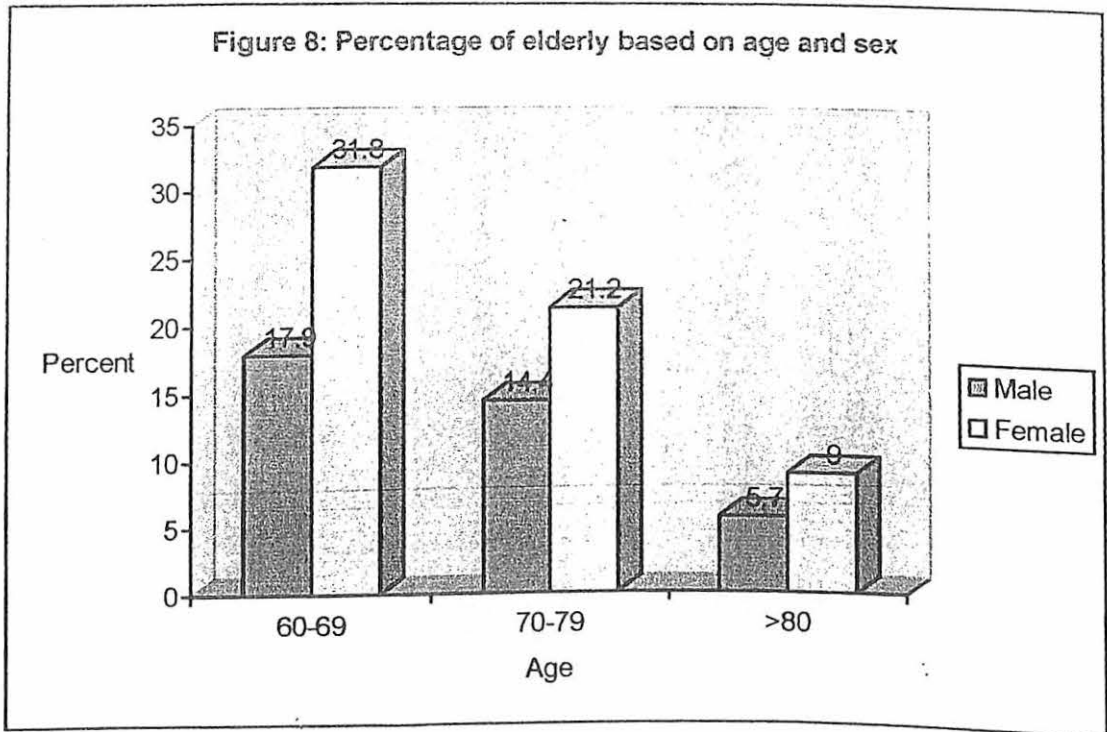


Figure 8: Percentage of elderly based on age and sex



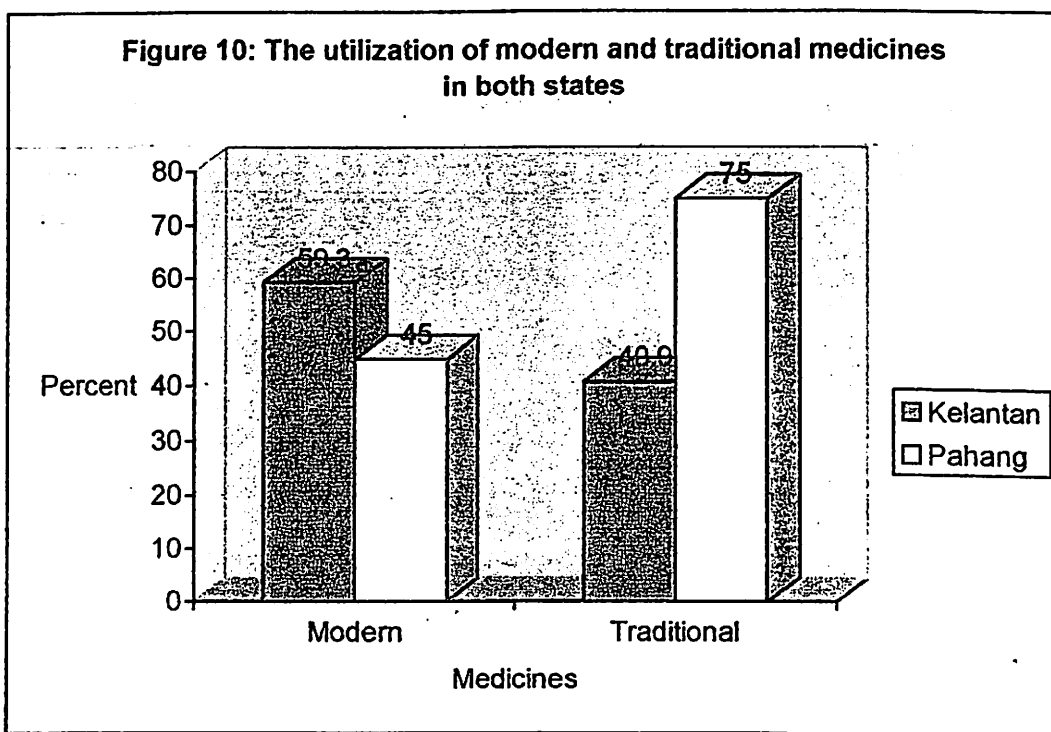
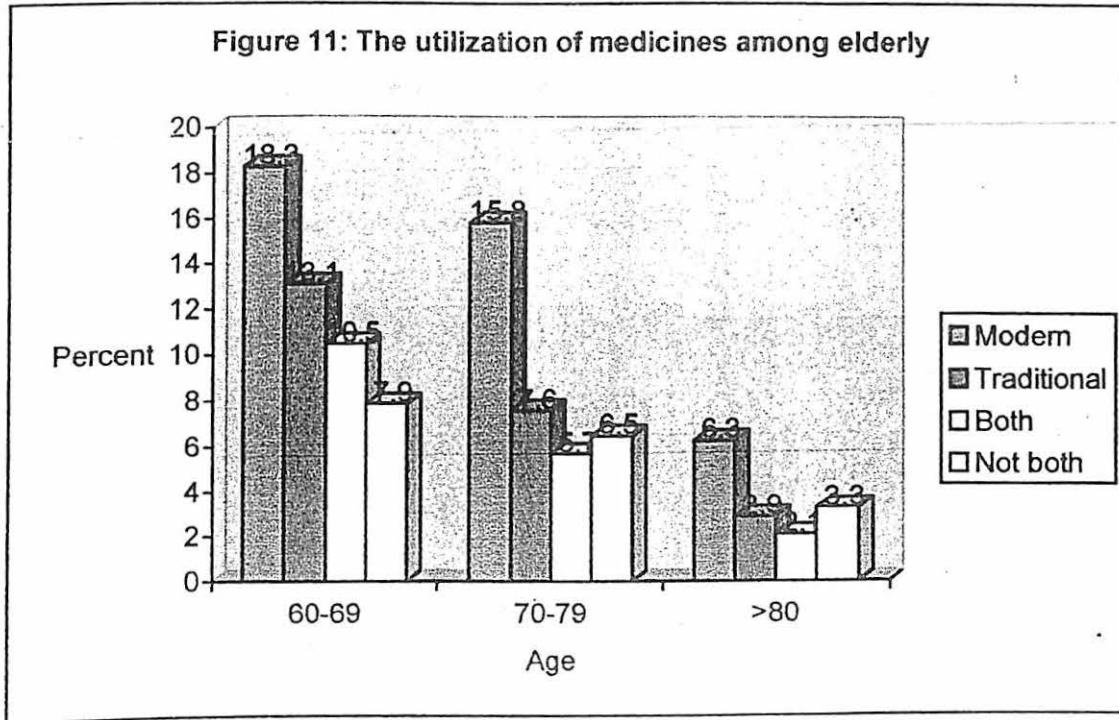


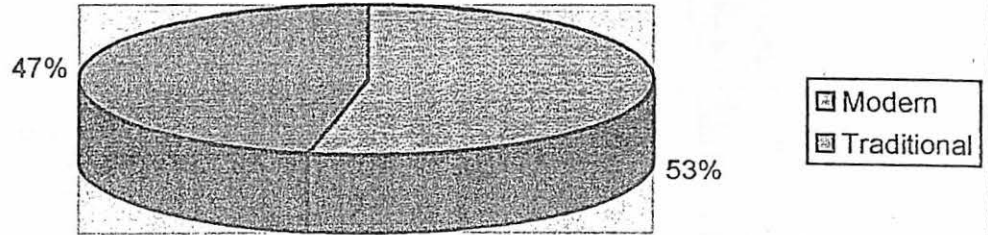
Figure 11 shows the utilization of medicine among the three cohort groups that took modern, traditional, both types of drug or not both of drugs. For the elderly age 60-69 years old, 18.3% respondents took modern medicine, 13.1% respondents utilized traditional drug, 10.5% respondents utilized both modern and traditional medicine while 7.9% did not take any types of drugs. Meanwhile, 15.8% respondents among elderly who aged 70-79 took modern medicine, 7.6% elderly took traditional medicine while 5.7% and 6.5% respondents utilized both and not both type of drugs respectively. Among elderly aged above 80 years old, 6.3% of them took modern medicine, 2.9% respondents took traditional drugs while 2.1% and 3.3% respondents utilized both or not both type of drugs respectively.



5. The utilization of traditional medicines among respondents

Figure 12 shows the percentage of utilization of traditional medicines among respondents without considering the age. The data showed that about 47% of them used traditional medicines while 53% took modern medications.

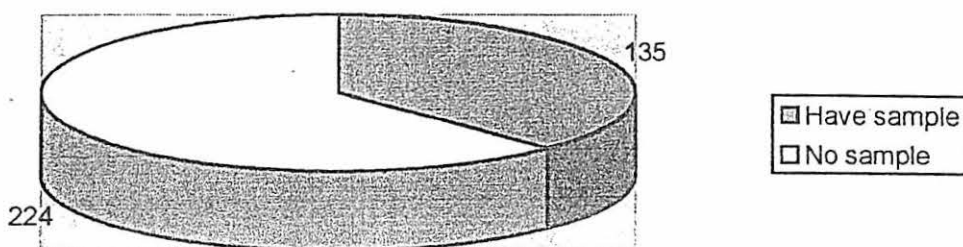
Figure 12: The utilization of traditional medicines without considering the age



6. Traditional medicine

Figure 13 shows the number of samples of traditional medicines collected from the respondents. There were 135 traditional medicines drug samples collected out of 359 samples and analyzed for steroid content while the other 224 do not have any samples for analysis.

figure 13: The sample of traditional medicines



6.1. The steroid content

Figure 14 reveal the percentage of steroid contents in traditional medicine which had been analyzed using Thin Layer Chromatography method. It showed that 37% and 26% had prednisolone and other unknown steroid. Meanwhile, 37% of traditional medicines negative for both types of steroid respectively.

In Kelantan, there were 102 samples collected and analyzed for steroid. The results in Figure 15 shows that 27.5% was positive for prednisolone, 34.3% positive for unknown steroid and 38.2% negative for both steroids. Meanwhile in Pahang showed 66.7% of traditional medicines is positive for prednisolone and 33.3% not contaminated with any steroids.

Figure 14: The steroid content

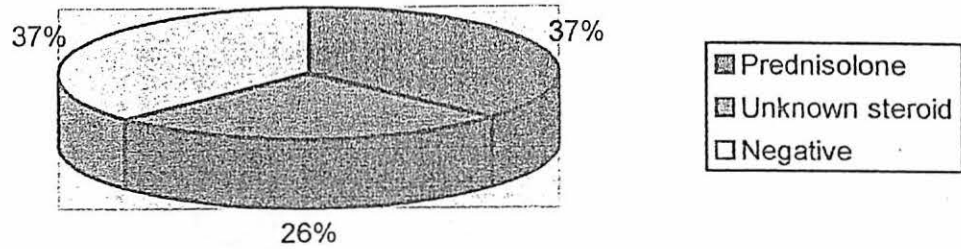
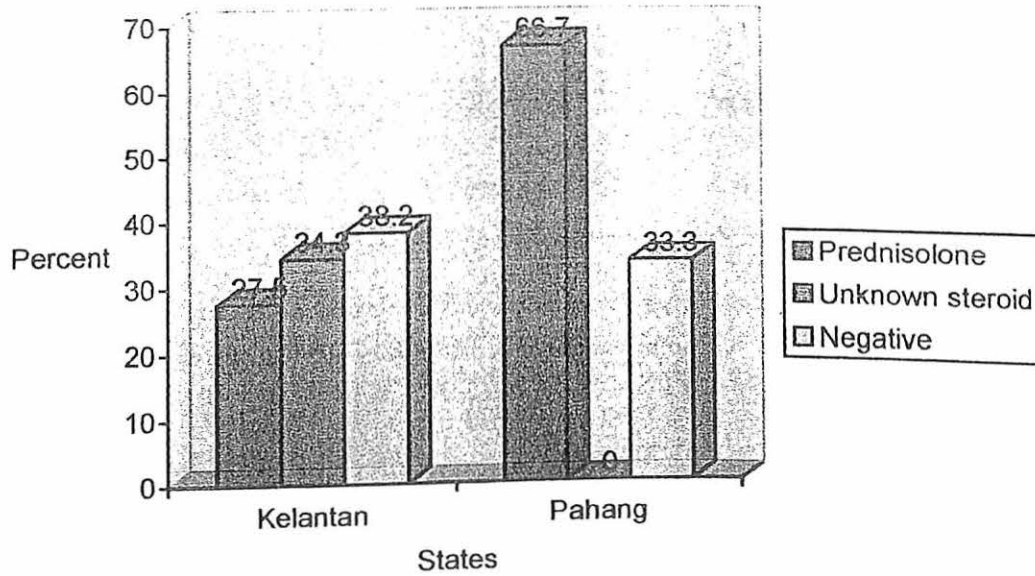


Figure 15: The steroid contents in both states



DISCUSSION

Most respondents are not able to read and write, thus, most of the questionnaires forms are being filled by the interviewers. Despite the short questionnaires, that is only 4 pages, some times were taken for the process as the elderly are friendly and very hospitable. Thus, for one day, we could only interviewed 4 or 5 houses, or sometimes less as the elderly are not at home.

If the elderly do take traditional medications and the samples (be it capsules, tablets, pills, plant preparations) are available, the samples are kept in the mini refrigerator/filing cabinets until analysis.

Steroid test are normally performed in batches of 5 samples (Picture 2-8). This is so because running the steroid tests in batches saves costs on TLC plate, chemicals and resources. The Thin Layer Chromatography is a highly efficient microanalytical method because of a number of advantageous properties¹⁴:

- High sample throughput in a short time
- Suitable for screening tests
- Pilot procedure for HPLC
- After separation the analytical information can be stored for a longer time (acts as storage medium for data)
- Separated substances can be subjected to subsequent analytical procedure at a later date

The number of respondents interviewed, was higher in Kelantan than Pahang because the state is the main centre for the research (Figure 1). The cross sectional studies in Kelantan was done by medical students, in Year three and two who are involved in "Kajian Kes Komuniti dan Keluarga" in Wakaf Bharu and Tumpat areas. The available data in Pahang is scarce as Pahang sent only the questionnaires with sample of traditional

medicines for our analysis. Therefore, these problems reflected the percentage of elderly (Figure 2) seen much higher in Kelantan than Pahang (figure 3).

The present study found that majority of the elderly Malays living in the rural areas are females rather than males (see Figures 4 & 5) and thus feminization of elderly Malays. This finding is in agreement with the increase of life expectancy at birth in our country. The life expectancy at birth increased from 69.1 years old to 69.7 years for males and 73.6 years old to 74.3 years for females in 1993 to 1996¹⁶. This increase confirmed that the human life status is better than before.

Furthermore, the life expectancy at certain age in Peninsular Malaysia is also increased due to increase effort by the government through Ministry of Health which always monitor all the health related problems, upgrade all the health facilities and making efficient planning to make sure that our health services achieved world class status. The government give services to all level of age without any discriminations. The difference in life expectancy at birth for males and females are related to the differences in health seeking behaviour among them. Females are prone to get treatment when they get any diseases rather than males who always have many reasons not to go to hospital or private clinic for treatment their diseases. Therefore, females health situations were much better than males.

For females who had reached 60 years old, their chances to live for 18.2 and 18.6 years more in 1988 and 1996 rather than 15.9 and 16.5 years for males at the same age and year¹⁶ respectively. Because of the prolonged life expectancy at birth for females, therefore the elderly population now comprised of females or that feminization of elderly population occurs (see Figure 4).

Among the elderly Malay residing in rural areas, the finding showed that majority of them were aged between 60 till 69 years old, followed by aged 70-79 and the lowest were aged above 80 years (see Figures 6 & 7). For 60-69 years group, they are still in the early

elderly stage and have less health problem rather than elderly who are aged above 70 years old and above 80 years old and thus have the ability to work harder to find money for their family. Meanwhile, the elderly aged above 70 and 80 were middle and late elderly usually had many more serious diseases and easily died because of impaired immune protections and other degenerative processes.

Female elderlys comprised the highest frequency in every level of age (see Figure 8). It revealed that females are the dominant group of elderly population as mentioned above. This finding agrees with the information reported by Chan, 1995 that the difference of sex ratio between aged 60-64 years old in 1980 was 959 males for every 1000 females and would reduced to 882 males for every 1000 females beyond 2020¹⁶. Meanwhile, at the age 80 years old and above, the ratio was 838 males for every 1000 females in 1980 and would reduced to 627 males for every 1000 females in the year 2025¹⁶. The sex ratio also different based on race. In 1990 in Malaysia, the sex ratio for Malay, Chinese and Indian aged between 60 to 69 were 930, 870 and 1242 respectively¹⁶.

The study revealed that modern medicine is still the drug of choice among elderly to cure their diseases than traditional medicine (Figures 9, 10 & 11). Thus overall, our community still believed in modern medicines to prevent their diseases than traditional medicines (Figure 12). The modernization and efficient of health care system in Malaysia such as hospital facilities and the ability of local doctors also encourage them to get treatment at hospitals or private clinics and consumed prescribed medicines.

The other thing is, the government gave subsidy to certain community such as poor elderlys who get treatment at government hospitals or clinics whereby they have to pay RM1 for the treatment. The real charge for every treatment and medicines were RM17-RM20¹⁷. However, if we were to compare the utilization of modern and traditional medicines in both states, it showed that different behaviour whereby the elderlys in Kelantan seek modern medicine as primary medication meanwhile in Pahang, they are likely to utilize

traditional medications (Figure 10). The elderly in Kelantan seek modern medications because the availability of doctors, medical assistants in their areas and the presence of government hospital, health centres and private clinics in rural areas.

Statistics from the Ministry of Health stated that in Kelantan, there are 8 district hospitals in every district except in Jeli and Bachok, 2 private hospitals in Kota Bharu, 59 health centres and 182 private clinics¹⁸. Conversely, more elderly respondents in Pahang took traditional medicine than modern because majority of them had low income. The traditional medicines are cheaper and easily available in every shops in their areas. Also, some of the elderly maybe attracted with the advertisements by the sellers who claimed that their drug had a miracle power to cure the diseases¹⁹.

The traditional medicine was an alternative treatment to the elderly Malays to cure their disease (Figure 11). Some of them utilized traditional medicine because they followed the Malay cultural beliefs that traditional medicine is more effective and do not harm their bodies. This may be because traditional medicines are processed from plants and thus contained natural materials²⁰. They may also believed that drugs contained synthetic materials and have side effects such as modern medicine. Beside that they still believe in 'tok bomoh' who is the most respected person among Malays¹⁰ communities in rural areas. This person used traditional methods to cure diseases. It is obvious that the availability of traditional medicines in any shops in village without the need of prescriptions from doctors encouraged the elderly Malays to utilize traditional medicines¹⁹.

However, some of the elderly utilize both modern and traditional medicines (see Figure 11). This happened because after utilizing modern medicine, their diseases are not cured. Suggestion by their relatives or friends or themselves found out about the ability of traditional medicines to cure the disease, they may begin to use traditional medicines. However, there was a small percentage of elderly who do not consume any types of medicines (Figure 11). The reason may be they do not have any diseases or seek other

alternative treatments such as wave treatments or treatment based on colours (colours therapy), vibro therapy and aroma therapy.

The samples of traditional medicines collected from respondents included tablets, capsules and wooden roots of various colours and presentation. We do not have some samples because because the drugs have been consumed by them or that some respondents refused to give the drugs (Figure 13). We had 135 samples for analysis of steroids by using TLC method.

Results showed that some traditional medicines are contaminated with prednisolone and unknown steroids respectively (see Figures 14 and 15). About 37% of the available samples do contain prednisolone (Figure 14). This is high as every 4 samples out of 10 traditional medicines preparations are contaminated with prednisolones. In Kelantan, 27.5% of samples do contain steroid i.e. for every 3 samples out of 10 traditional medicine samples contained prednisolone (Figure 15). In Pahang, a much higher percentage (66.7%) of samples were contaminated with prednisolone.

Prednisolone was used as control (standard steroid) in this steroid assay. Prednisolone is one of the steroids that can reduce swelling and decreases the body's immune response. Prednisolone is also use to treat endocrine disorders and many immune and allergic disorders such as arthritis, lupus, severe psoriasis, severe asthma, ulcerative colitis and Crohn's disease²¹.

Long term use of prednisolone will weaken the body's immune response and reduce the ability to fight infection by bacterial, viral or fungal²¹, increase blood pressure, bruising, acne, swollen hand, sore or weak of the muscle²¹. Other side effects include insomnia, nausea, vomiting or stomach upset, muscle weakness or joint pain, increased hair growth and osteoporosis²¹. The other unknown steroids detected in the analyzed traditional medicines maybe dexamethasone or natural steroid existed in plants where we do not have

a control in the analysis. Meanwhile, the negative results revealed that particular traditional medicine do not contain any contaminants especially steroids.

CONCLUSION

Our study concluded that the utilization of modern medicine among elderly Malays are still high in comparison to traditional medicines. However, elderly still use traditional medicines as alternative treatments. The commercialization of this industry encourages peoples to consume traditional medicines and that the presence of traditional medicine research in academic institutions indirectly promote to more usage of these medications. The present study showed that the utilization of traditional medicine among elderly Malays and without consider age were 42% and 47% respectively which was much higher than previous studies. This percentage is nearly similar the percentage of traditional medicine use in France (49%) and Australia (48.5%). The study also revealed that some traditional medicines do contained steroids or other unknown steroids (63%) by use of Thin Layer Chromatography method (TLC) which confirmed the report that some of traditional medicines are contaminated with steroids.

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Checklist For Research Proposal (to be submitted together with form)

Topic of Research

The utilization of modern and traditional medicines by rural elderly Malays in Jerantut, Pahang and Tumpat, Kelantan

Permohonan Penyelidikan <i>Tanda Yang berkenaan</i>	
1. Permohonan Geran Jangka Pendek	✓
2. Permohonan Etika Sahaja	
3. Permohonan Untuk Perundingan	

Name of Researcher : 1. Prof. Madya Dr. Zabidah Ismail
 2. Prof. Kamaruzaman Wan Su
 3. Dr. Mohd Hashim Mohamad Hassan

1.	Has similar study been done before. Yes/No If Yes, Where?	No
2.	Frequency of occurrence/prevalence in previous study?	2.3% in Malaysia
3.	Preliminary / background work done?	Yes
4.	Study Area (Area / institution where samples will be taken from)	Kuantan & Kota Bharu/USM & UIA
5.	What is the sample size required in this research (No of test) (it statistically significant)	1800 household & 540 elderly will be sampled.
	i. What is the difference in mean/ proportion looked for in the study	
	ii. What is the standard deviation of the observation	
	iii. What is the power of the study (1 - β)	
6.	iv. At what confidence interval is this study done (1 - α)	Yes No
7.	a) Reagents available in Malaysia ? b) DCA Approved Required? Yes/No	Elderly/urban elderly/540 elderly
8.	Criteria for inclusion / exclusion of subject / sample?	To find out % of steroids users in elderly
9.	What is your end point?	No
	(a) Ethical issues : Yes / No. If Yes (Please Specify) 1) 2) 3)	No
10.	(b) Approval from Health or other Ministries Required? Yes/No If Yes (Please Specify)	Enclosed
11.	Please provide flow chart of how you plan to carry out the experiment (experimental design) see eg. provided.	No No
12.	If application is for Clinical trial via Centre for Innovation and Consultancy, please attach: 1. Subject Information / Consent Form. 2. Letter of undertaking from company / agency involved. (a) Discussed at department. Yes/No (b) Comment of Head of Department/ Dept. Representative Name : <u>Prof. Madya Dr. Abdul</u> Signature : <u>Rahman Noor</u>	Yes



UNIVERSITI SAINS MALAYSIA

PERMOHONAN GERAN PENYELIDIKAN IRPA JANGKA PENDEK

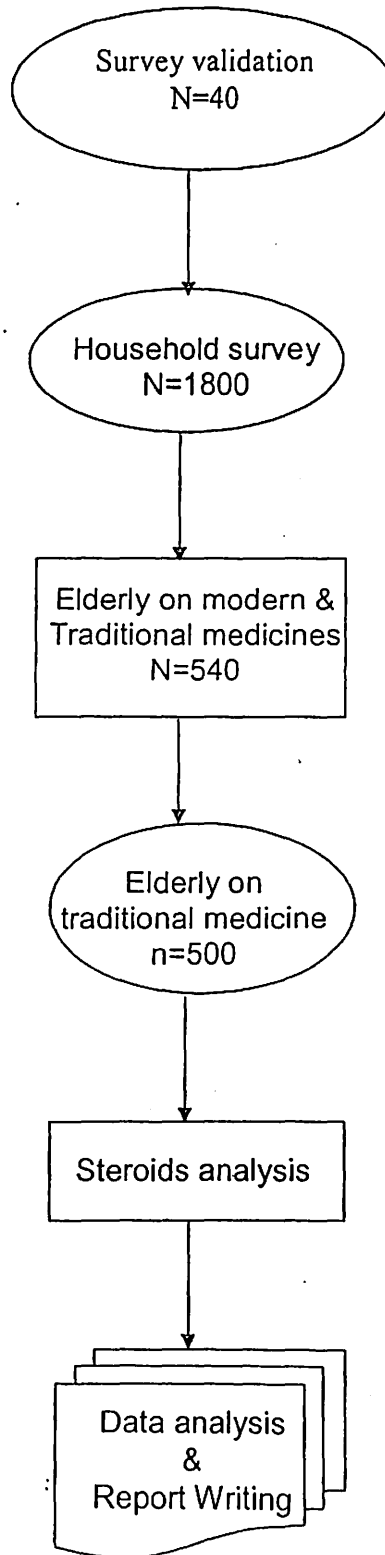
(Sila sampaikan 15 salinan dan kemukakan melalui Jawatankuasa Penyelidikan di Pusat Pengajian dan melalui Dekan / Pengarah / Ketua Jabaan kepada Bahagian Penyelidikan dan Pembangunan)

A.	Nama : Profesor/Prof. Madya /Dr. /Tuan/Puan 5982 Name : Profesor/Assoc.Prof./Dr./Mr./Mrs. Prof. Madya Dr. Zabidah Ismail	No. Kad Pengenalan : 550709-10- Identify Card No.:
	Pusat Pengajian /Jabatan : Sains Perubatan/Farmakologi School/Department/Unit :	
	No. Telefon Pejabat : 09-760 2707 Office Telefon No :	Alamat E.Mail : zabidah@kb.usm.my E.Mail Address:
	Jawatan Akademik: Pensyarah Universiti Academic Post:	
	Tarikh mula berkhidmat dengan Universiti ini: 14-11-1989 Date of first Appointment with Iniversity:	
	Jika kontrak, nyatakan tarikh tamat : If contract, state expiry date:	
B(i)	Tajuk penyelidikan yang dicadangkan : The utilization of modern and traditional medicines by rural elderly Malays in Pahang and Kelantan. Title of proposed research:	
	Kumpulan FOR (Field of Research Group) * (Sila rujuk kepada Panduan / Please refer to Guide "Malaysian Research & Development (R&D)	Kumpulan SEO (Socio-Economic Objective Group) * (Sila rujuk Panduan / Please refer to Guide " Malaysia Research & Development (R& D) Classification System"
	Tempat penyelidikan dijalankan : Pahang and Kelantan Location of research:	
	Tempoh projek (tidak melebihi 12 bulan): 12 bulan Duration of project (not more than 12 months):	
	Tarikh jangka bermula : December 2000 Date of commencement:	
	Tarikh jangka berakhir: December 2001 Date of expected completion:	

*Terdapat di Pusat Pengajian masing-masing

*Available at respective School.

Research Flow Chart - The utilization of modern and traditional medicines by rural elderly Malays in Pahang and Kelantan



B(ii)	<p>Ringkasan Cadangan Penyelidikan Research Summary Proposal</p> <p>* (Cadangan ini hendaklah meliputi latar belakang, tujuan, kaedah penyelidikan dan hasil yang akan diperolehi. Satu jadual kerja, senarai penyelidikan yang pernah dijalankan dan penerbitan yang pernah diterbitkan patut disediakan.) <i>*(The proposal must include the background, objective, research methodology and the project results. Work schedule, list of research undertaken and the publications published should be prepared)</i></p> <p>Summary</p> <p>There is an increase in geriatric population in Malaysia due to increasing life expectancy at birth hence leading to demographic changes and a need to improve in the health care of the elderly. The National Health Morbidity survey 1996 reported 2.3% of this population used traditional medicine, but this figure is under estimated. It is estimated that more people especially the elderly used traditional medicines. This study aimed to determine the utilization of modern and traditional medicine among elderly Malays living in rural areas. The safety of traditional medicine will be identified using the analysis of steroid content. The communities where the medical students from IIUM and USM posted for community survey will be used for the study. Data on drug utilization and health seeking behaviour (2 weeks-recall) will be collected by medical students using structured questionnaires. Samples of the traditional medicines used will be collected for steroid determination at the Pharmacology Laboratory in USM. The output of the study will be the information on health seeking behaviour of elderly Malays, the utilization of drug and the safety of traditional medicines. These information will be beneficial for improvement of geriatric health services.</p> <p>Introduction</p> <p>The population of elderly people in Malaysia is increasing due to increase life expectancy at birth. In 1999 the life expectancy at birth for male was 69.6 years and for females was 74.6 years (1). This results in demographic changes where the proportion of the older population will increase. This increase will certainly need attention of all stakeholders in health (2). There is a need to study the health seeking behaviour of the elderly especially in the area of drug utilization. They use both modern and traditional medicine but there is no record regarding the safety of this traditional medicine. The focus group in this study are 60 years old and above living in rural areas. Traditional medicine is defined as non-prescription drugs bought over the counter or by direct selling that contain herbal/natural products which are consumed orally either as powder, tablet, capsules, caplets, emulsion, suspension, mixtures or boiled preparations. This include Pharmaton, Zinaxin, Remifemin, or other herbal containing products. Modern medicines are defined as prescription drugs obtain from physicians. Although the National Health Morbidity survey in 1996 reported that only 2.3% of the population seek care from traditional medicine (during 2 weeks-recall) report from other countries has shown a very high proportion, 49% in France, 33% in USA, 24% in Denmark, 60% in Hong Kong and 48.5% in Australia. It is estimated that a big percentage may be true in Malaysia (3).</p> <p>Objectives</p> <ol style="list-style-type: none"> 5. To determine the health seeking behaviour of elderly Malays living in rural areas. 6. To determine the utilization of medicine both modern and traditional (2 weeks-recall). 7. To determine the safety of the traditional medicine used by analyzing steroid content. <p>Methodology</p> <p>This is a cross-sectional study of elderly Malays living in rural areas in Pahang and Kelantan. Communities where medical students from IIUM and USM are posted doing community surveys will be taken as samples communities. All elderly aged >60 years in these communities will be included. From the calculation of sample size, 323 people will be the minimum number taking the prevalence rate of traditional medicine use of 30% and the margin of error at 5%. In this study a sample size of 500 people is recommended so that the margin of error can be further reduced to 4%. Medical students from both universities doing community postings in Pahang and Kelantan will collect data using structured questionnaires. All households in the community will be surveyed over one year. (900 households each in Pahang and Kelantan). The questionnaires used in the survey is enclosed. From these 1800 households, it is expected that about 540 elderly will be sampled. The data collected will be socio-demographic data, personal profile, health seeking behaviour during the last 2 weeks and record of the medications taken the last 2 weeks. It is estimated that 30% of these (150) peoples will take traditional medicines. Samples of these medications will be collected for steroid content analysis which will be done in the Pharmacology Department, School of Medical Sciences, USM.</p> <p>Expected results</p>
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* Jika butir-butir tambahan, sila kepilkan.

* Please attach additional information if necessary / available

B(iii)	<p>Kepentingan dan faedah penyelidikan <i>The Importance And The Benefits Of The Research</i></p> <p>Terangkan tujuan kepentingan dan faedahnya cadangan penyelidikan tuan/puan kepada Universiti dan negara (<i>tidak melebihi daripada 50 perkataan</i>) Explain your objectives and benefits of the proposal to the University and the country (not more than 50 words)</p> <p>Benefits of the study</p> <ol style="list-style-type: none">1. Health care for geriatric will be improved after knowing the drug utilization among them and the safety of traditional medicines used.2. The enforcement authority in the Ministry of Health (Drug Control Authority) will play a better function in controlling the manufacturing and sale of unsafe traditional medicines. <p>Expected research output</p> <ol style="list-style-type: none">1. Research papers for public health and family medicines journals.2. Health education material for the Ministry of Health in the area of geriatric health.3. Drug safety information to the Drug Control Authority.
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B(iv)	<p>Alat -alat dan bahan yang terdapat di Universiti untuk kegunaan projek. <i>Equipment And Material available In the University for The Use Of The Project</i></p> <p>Alat ujian semua jenis steroid.</p>
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c.	<p>Belanjawan (Budget)</p> <p>Sebutkan di sini anggaran perbelanjaan tuan/puan bagi cadangan penyelidikan ini. (please indicate here estimated budget for research proposal)</p> <p>Sila beri butir-butir perbelanjaan dengan lengkap dengan berpandukan kepada panduan yang dilampirkan. (Please provide complete details of expenditure according to guide attached)</p>		
	<p style="text-align: center;">Butiran Belanjawan Budget Details</p>	<p style="text-align: center;">Yang dipohon Oleh Penyelidik <i>Amt. Requested by applicant</i></p>	<p style="text-align: center;">Yang diluluskan Oleh J/K Penyelidik Univ. <i>Amount approved by Univ. Research Committee</i></p>
	<p>Vot 11000 - Gaji dan Upahan <i>Salary and Wages</i></p> <p>Daily workers, 5 houses/person per day = RM15.00 Thus, 900 houses = 1/5 x 1800 x RM15 = Rm5400</p> <p style="text-align: right;">Sub.Total</p>	<p style="text-align: center;">RM5400</p>	
	<p>Vot 14000 - Elaun Lebih Masa <i>Overtime</i></p> <p style="text-align: right;">Sub.Total</p>	<p style="text-align: center;">()</p>	
	<p>Vot 21000 - Perbelanjaan Perjalanan dan Sara Hidup <i>Travelling Expenses And Subsistence</i> Kuantan-Kota Bharu RM0.55x1000kmx1 visit</p> <p>Airfare KB-KL-KB Hotel RM180x2 nights Taxifare Food Allowance RM65x3 nights</p> <p style="text-align: right;">Sub. Total</p>	<p>550 218 360 150 195 (RM1473)</p>	
	<p>Vot 22000 - Pengangkutan Barang <i>Transportation of Goods</i></p> <p>Pos Bungkusan spesimen</p> <p style="text-align: right;">Sub. Total</p>	<p>50 (RM50)</p>	

	Vot 23000 - Perhubungan dan Utiliti (Tel,Faks,Pos,dll) Communication and Utilities (Phase, Fax,Postege etc.)	300	
	Faks/Pos/Fotostat		
	Sub. Total	(RM300)	

	Butiran Belanjawan <i>Budget Details</i>	Yang dipohon Oleh Penyelidik <i>Amt.Requested by applicant</i>	Yang diluluskan Oleh J/K Penyelidik Univ. <i>Amount approved by Univ. Research Commitee</i>
	Vot 24000 - Sewaan <i>Rental</i>		
	Sub.Total	()	
	Vot 26000- Bekalan Bahan Mentah dan Bahan- Bahan Untuk Penyelenggaraan dan Pembaikan <i>Supply of Raw Materials and Materials For Repair and Maintenance</i>		
	Sub.Total	()	

	<p>Vot 27000 - Bekalan dan Bahan -Bahan Lain (termasuk Haiwan,Pokok dan Benih untuk <i>Penyelidikan</i> <i>Research Materials and Supplies</i> (including <i>Animals, Disposables,etc.</i>)</p> <p>Bayaran ujian makmal untuk steroids Percetakan borang soal-selidik RM0.10x4 muka x2000=800 Plastik untuk sampel ubat RM0.10x200=RM20.00</p> <p style="text-align: center;">Sub. Total</p>	<p>RM9.00x500=45 00</p> <p>800 20</p> <p>(RM5320)</p>	
	<p>Vot 28000 - Penyelenggaraan dan Pembaikan Kecil <i>yang dibeli</i> <i>Maintenance and Minor Repair Services</i></p> <p style="text-align: center;">Sub.Total</p>	<p>()</p>	
	<p style="text-align: center;">Butiran Belanjawan <i>Budget Details</i></p>	<p>Yang dipohon Oleh Penyelidik <i>Amt.Requested by applicant</i></p>	<p>Yang diluluskan Oleh J/K Penyelidik Univ. <i>Amount approved by Univ. Research Commitee</i></p>
	<p>Vot 29000 - Perkhidmatan Ikhtisas dan Perkhidmatan lain- lain yang dibeli termasuk percetakan Hospitaliti, dan honorarium (<i>Profesional Services and Other Services</i> <i>ncluding printing and Hospitality, honorarium for subjects</i>) Pendaftaran Persidangan Honororium orang tua</p> <p style="text-align: center;">Sub. Total</p>	<p>250 RM5.00x500=2500</p> <p>(RM2750)</p>	

	Vot 35000 - Harta Modal -Harta Modal yang lain termasuk alat >RM 500.00 (Assets e.g. Equipment > RM 50/-) Perlu nyatakan justifikasi spesifikasi dan sebutharga (must include justification specifications and quotation)		
	Sub.Total	()	
	* JUMLAH BESAR TOTAL AMOUNT	RM15293	

D. Jika penyelidikan ini dijalankan bersama dengan pensyarah lain, nyatakan:
If the research is conducted together with other lecturers, please state.

Nama dan No. Kad Pengenalan Name and Identity Card No.	P.Pengajian/Jabatan/Unit School/Department/Unit	Tandatangan Signature
Prof. Kamaruzaman Wan Su	UIA/Perubatan Masyarakat	
Dr. Mohd Hashim Mohd Hassan	USM/Perubatan Masyarakat	

* Maksimum RM 20,000.00

D(i)	Penyelidikan geran Jangka Pendek yang telah dijalankan/sedang dijalankan oleh setiap penyelidik didalam kumpulan penyelidikan ini. Short Term research grants that are completed/ongoing by each researcher in this research team.			
	Nama Penyelidik Researcher's Name	Tajuk Penyelidik Title of Research	Sedang Berjalan In Progress	
			Teloh dijalankan Completed	
			Tandakan (/) yang mana berkaitan Please tick (/) wherever applicable	
	Zabidah Ismail	Pharmacokinetics of Hydrochlorothiazide 322-0500-3058		✓
	Zabidah Ismail	Pharmacokinetics of propranolol 331-0500-3570		✓

	Tarikh :8hb Oktober 2000..... <i>Date</i>		Tandatangan Pemohon : <i>Applicant's Signature</i>	
E.	Komen Jawatankuasa Penyelidikan Pusat Pengajian <i>Comments of the school's Reserch Committee</i>			
 (Tandatangan Pengerusi Jawatankuasa Penyelidikan & Etika PPSP) (Signature Chairman of Research and Ethical Comm. of PPSP)			

F	Sumbangan yang boleh diberi oleh Pusat Pengajian dari segi: <i>Contribution /Assistance by school in :</i>
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(a) Kakitangan Sokongan
Staff assistance

(b) Alat-Alat Kelengkapan
Equipment

(c) Bahan -Bahan
Materials

(d) Lain-Lain Komen
Other comments

	<p>..... (Tandatangan dekan/Pengarah/Ketua) (Signature Dean/Director/Head)</p> <p>Tarikh : Date</p>
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fn: crp/d borang permohonan/as98

BORANG SOAL SELIDIK

PENGGUNAAN UBAT MODEN DAN TRADISIONAL OLEH WARGA TUA MELAYU, LUAR BANDAR DI PAHANG DAN KELANTAN.

BAHAGIAN A (Data Peribadi)

1. No. Siri : _____
2. Alamat Rumah: _____

3. Nama : _____
4. Tahun Lahir (mengikut K/P): _____
5. Umur/Tahun : _____
6. Jantina : Lelaki/ Perempuan
7. Taraf pendidikan:

- | | |
|------------------|--------------------------|
| Tidak bersekolah | <input type="checkbox"/> |
| Sekolah rendah | <input type="checkbox"/> |
| Sekolah menengah | <input type="checkbox"/> |

8. Taraf pekerjaan:

- | | |
|---------------|--------------------------|
| Tidak bekerja | <input type="checkbox"/> |
| Masih bekerja | <input type="checkbox"/> |
| Pesara | <input type="checkbox"/> |

Apakah kerja sekarang? _____
Apakah kerja dahulu? _____

Nota: Kalau pesara yang masih bekerja, isi ruangan Masih bekerja.

BAHAGIAN B (Tingkah laku Kesihatan)

9. Dalam masa 2 minggu lepas, adakah anda menggunakan (makan) apa-apa ubat-ubatan ?

Ya

Tidak Teruskan ke soalan 15

10. Jika Ya, apakah jenis ubat yang digunakan :

Ubat moden	<input type="checkbox"/>
Ubat tradisional	<input type="checkbox"/>
Homeopati	<input type="checkbox"/>
Lain-lain	<input type="checkbox"/>

Nyatakan : _____

11. Di manakah ubat ini didapati :

Dari hospital/klinik swasta/ kerajaan	<input type="checkbox"/>
Dibeli dari kedai	<input type="checkbox"/>
Diberi oleh kawan/ saudara	<input type="checkbox"/>
Dicari sendiri	<input type="checkbox"/>
Lain-lain sumber	<input type="checkbox"/>

Nyatakan : _____

12. Apakah penyakit yang anda alami :

13. Adakah anda masih menyimpan ubat atau bekas ubat itu :

Ya	<input type="checkbox"/>
Tidak	<input type="checkbox"/>

14. Jika ubat atau bekas ubat masih tersimpan, sila catatkan maklumat berikut:

14.1 Jenis ubat

Ubat moden	<input type="checkbox"/>
Ubat tradisional	<input type="checkbox"/>
Homeopati	<input type="checkbox"/>
Lain-lain	<input type="checkbox"/>

Nyatakan: _____

14.2 Nama ubat

Tidak Teruskan ke soalan 15

10. Jika Ya, apakah jenis ubat yang digunakan :

Ubat moden	<input type="checkbox"/>
Ubat tradisional	<input type="checkbox"/>
Homeopati	<input type="checkbox"/>
Lain-lain	<input type="checkbox"/>

Nyatakan : _____

11. Di manakah ubat ini didapati :

Dari hospital/klinik swasta/ kerajaan	<input type="checkbox"/>
Dibeli dari kedai	<input type="checkbox"/>
Diberi oleh kawan/ saudara	<input type="checkbox"/>
Dicari sendiri	<input type="checkbox"/>
Lain-lain sumber	<input type="checkbox"/>

Nyatakan : _____

12. Apakah penyakit yang anda alami :

13. Adakah anda masih menyimpan ubat atau bekas ubat itu :

Ya	<input type="checkbox"/>
Tidak	<input type="checkbox"/>

14. Jika ubat atau bekas ubat masih tersimpan, sila catatkan maklumat berikut:

14.1 Jenis ubat

Ubat moden	<input type="checkbox"/>
Ubat tradisional	<input type="checkbox"/>
Homeopati	<input type="checkbox"/>
Lain-lain	<input type="checkbox"/>

Nyatakan: _____

14.2 Nama ubat :

Ya
Tidak

16. Jika Ya apakah penyakit yang anda alami?

17. Adakah anda masih menyimpan ubat tradisional itu?

Ya
Tidak

Nota : Jika ubat tradisional yang masih tersimpan, sila minta satu sampel ubat dan masukkan ke dalam bekas plastik yang disediakan dan catat nombor siri dengan jelas.

Nama penemuramah : _____

Tarikh : _____

Disemak oleh : _____

Catatan :

Soal selidik lengkap

Soal selidik tidak lengkap

dua kali 1. 378

11 3/2/2003

BIL.	NO. SIRI	NAMA	DARIPADA	UMUR	MENGAMBIL UBATAN dlm masa 2 minggu	PENGAMAL UBAT MODEN	PENGAMAL UBAT TRADITIONAL	KANDUNGAN STEROID
1.	SM2001	Bedah binti Ahmad	Gong Dermin	73	Ya	Ya	Ya	TS
2.	SM2002	Abdul Rahman b. Md. Nor	Pondok Terusan Pasir Tumbuh	70	Ya	Ya	Tidak	
3.	SM2003	Wan Yusuf b Wan Ismail	Pondok Terusan Pasir Tumbuh	60	Tidak	Tidak	Tidak	
4.	SM2004	Hj. Daud b Mamat	Gong Dermin	76	Tidak	Tidak	Tidak	
5.	SM2005	Ibrahim b Mohammad	Gong Dermin		Tidak	Tidak	Tidak	
6.	MRI1001	Hassan b Ahmad	Pondok Pasir Tumbuh	60	Ya	Ya	Tidak	
7.	MRI1002							
8.	MRI1003	Arom b Ahmad	Pondok Terusan Pasir Tumbuh	73	Ya	Ya	Ya	TS
9.	MF3001	Abdul Rahman Mat	Pondok Terusan Pasir Tumbuh	75	Ya	Ya	Tidak	
10.	MF3002	Hj. Mohd. Bazari b Yunus	Pondok Terusan Pasir Tumbuh	61	Tidak	Tidak	Ya	TS
11.	MF3003	Hj. Idris b Mohamad	Pondok Terusan Pasir Tumbuh	65	Ya	Ya	Tidak	
12.	MF3004	Aminah binti Ismail	Gong Dermin	57	Ya	Ya	Tidak	
13.	HAH400 4	Ismail b. Senik	Kg. Pulau Kerbau	62	Ya	Ya	Tidak	
14.	AZMK00 1	Wan Ismail	Lot 1403 kg. Laut Palekbang Kelantan	67	Ya	Tidak	Ya(Tgkt Ali Cappucino)	Negatif
15.	AHH002	W.Fatimah bt. W. Abd. Rahman	Kg. Laut 3, Palekbang	67	Ya	Ya	Tidak	
16.	MSMH00 1	Wan Mas	Kg. Bendang Pulau, Kg. Laut	64	Ya	Tidak	Ya(Red Capsul)	Negatif
17.	AZMR00 2	Hjh. Hasmah bt.Hj Majid	Kg.Laut Palekbang	65	Ya	Tidak	Ya(Makjun Serbuk)	Negatif
18.	AHH001	Halimah bt. Ismail	Kg. Bendang Pulau, Kg. Laut	63	Ya	Tidak	Ya(1Yerba Mate, 1 capsul hijau)	Negatif Negatif

19.	HAH400 1	Wan Salleh Wan Hassan	Kg.Bendang Pulau,Kg. Laut	74	Ya	Tidak	Ya(serbuk coklat)	Negatif
20.	HAH400 2	Senik b. Yahya	Kg. Laut, Tumpat	80	Ya	Tidak	Ya(serbuk putih)	Negatif
21.	HAH400 3	Ismail b.Awang Senik	Kg. Paloh Chica	60	Ya	Tidak	Ya(air pedas)	Negatif
22.	MF3005	Mohammad b Ismail	Pondok Terusan Pasir Tumbuh	82	Tidak	Tidak	Ya(Bunga cengkih) Kapsul Kuning	Positif
23.	MF3006	Abdul Latif b. Jusoh	Pondok Terusan Pasir Tumbuh	70	Tidak	Tidak	Ya	TS
24.	MSMH3 (2)	Hasan b. Ibrahim	Kedai runcit dpn. Masjid Kg. Laut	60	Tidak	Ya	Ya(Akar Lara, Tongkat Ali)	KIV
25.	MSMH2 (2)	Fatimah bt. Awang Senik	Depan Klinik Kg. Laut	60	Ya	Ya	Ya	TS
26.	MSMH1 (2)	Cik Maryam bt. Abdullah	Depan Masjid Kg. Laut	61	Ya	Ya	Tidak	
27.	MAT002 (2)	Che Mail Salleh	Depan Klinik Kg. Laut	65	Ya	Ya	Tidak	
28.	MAT001 (2)	Ismail b.Jusoh	Depan Klinik Kg.Laut	66	Tidak	Tidak	Ya(Pil akar kayu, Kapsul kuning)	Negatif Negatif
29.	K04	Hjh. Che Maimunah	Kg. Laut 3	82	Ya	Ya	Tidak	
30.	K03	Bidah bt.Che Ali	149 Depan Klinik Desa Kg. Laut 2	70	Ya	Ya	Tidak	
31.	K02	Wan Limah bt Wan Bakar	Kg. Laut 3, Palekbang	70	Tidak	Tidak	Ya	Negatif
32.	K01	Idris b. Yaacob	Depan Klinik Kg, Laut	70	Tidak	Tidak	Ya	TS
33.	IZAH004	Hjh. Wan Siti bt. Che Su	Depan Pasar Kg. Laut	65	Ya	Ya	Ya	TS
34.	IZAH003	Selamah bt. Salleh	Depan Klinik Kg. Laut	77	Tidak	Tidak	Tidak	
35.	IZAH002	Zaharah Mohamad	151 Depan Klinik Desa Kg. Laut2	68	Ya	Ya	Tidak	
36.	IZAH001	Hj.Wan Jaafar b. Wan Ibrahim	Depan Klinik Kg.Laut	64	Tidak	Tidak	Ya	TS

37.	MF3014	Hj. Mat Zain b. Abdullah	Jln. Pengkalan Keropok Kg. Laut	62	Ya	Ya	Ya(Kapsul Jernih)	Positif
38.	MF3013	W.Ismail b. W.Jusoh	Jln. Pengkalan Keropok Kg. Laut.	75	Ya	Ya	Tidak	
39.	MF3012	Hj. Che Ahmad b. Che Omar	Jln. Pengkalan Keropok Kg. Laut	67	Ya	Ya	Tidak	
40.	MF3011	W.Othman b. W Musa	Jln. Pengkalan Keropok Kg. Laut	82	Tidak	Tidak	Tidak	
41.	MF3010	Wan Jah bt. W. Sulaiman	Jln. Pengkalan Keropok Kg. Laut	70	Tidak	Tidak	Ya	TS
42.	MF3009	W.Hassan b. W.Jusoh	Jln. Pengkalan Keropok Kg.Laut	77	Ya	Ya	Tidak	
43.	MF3008	Hj.Abd.Rahman b.W.Mamat	Kg.Kubang kacang Kota Bharu Kel.	75	Ya	Ya	Tidak	
44.	MF3007	Ismail b.Salleh	Kg.Chica Kubang Kerian Kota Bharu Kel.	70	Tidak	Tidak	Tidak	
45.	MF3015	Hjh. Aishah bt. Mamat	Jln. Pengkalan Keropok Kg.Laut	62	Ya	Tidak	Ya(Akar kayu)	KIV
46.	MF3016	W.Minah b.W.Isa	Kg.Bendang Pulau Kg.Laut	90	Tidak	Tidak	Ya	TS
47.	MF3017	Che Mahmood b. Che Seman	Kg.Bendang Pulau Kg. Laut	79	Ya	Ya	Ya	TS
48.	MF3018	Raja Ibrahim b. Raja Abdullah	Kg. Pulau Masjid Kubang Kerian	60	Ya	Tidak	Tidak	
49.	MF3019	Mek Nab bt.Junus	Kg. Pulau Raja Kubang Kerian	63	Ya	Ya	Ya(Akar Tanjung Jantan)	KIV
50.	MF3020	Yaakub Ab.Rahman.	Kg. Pulau Raja K/kerian	74	Ya	Ya	Ya(Kapsul,Debu)	KIV
51.	MF3021	Deraman b. Ismail	Padang Seri Paduka Kubang Kerian	68	Ya	Ya	Tidak	
52.	MF3022	Jusoh b. Awang	Kg.Pulau Masjid Kubang Kerian	66	Ya	Ya	Tidak	
53.	MF3023	Mak Jah @ Khadijah Salleh	Sek. Keb.Lundang Kota Bharu	63	Ya	Ya	Tidak	

54.	MF3024	Minah bt. Mat Ali	Kg. Demit Sungai Kubang Kerian	72	Ya	Ya	Tidak	
55.	MF3025	Raja Seripah Raja Awang	Kg. Pulau Raja Kubang Kerian	82	Ya	Ya	Tidak	
56.	MF3026	Tg.Seripah bt. Tg. Mahmood	Kg. Pulau Raja Kubang Kerian	62	Ya	Ya	Tidak	
57.	MF3027	Fatimah Omar	Padang Bongor K/Bharu	64	Ya	Ya	Tidak	
58.	MF3028	Che Yah Seman	Bt.5 ½ Belakang Coltese Kg. Chica Hilir	65	Ya	Ya	Tidak	
59.	MF3029	Yusoff b. Yunus	Kg. Jaya Pasir Hor Kota Bharu	73	Ya	Ya	Tidak	
60.	MF3030	N.Eshah bt.Ab. Rahman	Kg. Langgar Kota Bharu	71	Ya	Ya	Tidak	
61.	MF3031	Hussin b. Sulong	Bt.4 Jln.K. Krai	81	Ya	Ya	Tidak	
62.	MF3032	N.Man b. Mamat	Kg. Pulau Raja Kubang Kerian	72	Ya	Ya	Tidak	
63.	MF3033	Mohd Nor Ismail	Jln. Sek. Keb. Lundang Kota Bharu	76	Ya	Ya	Ya	TS
64.	NM 001	Bidah bt. Pit	Kg. Cherang Kota Bharu	67	Ya	Ya	Tidak	
65.	NM 002	Mek Yam Awang Besar.	Kg. Cherang Kota Bharu Kelantan.	61	Ya	Ya	Ya	TS
66.	NM 003	Che Min b. Ahmad	Kg. Cherang Kota Bharu Kelantan.	60	Ya	Ya	Tidak	
67.	NM 004	Awang Sulong	Kg. Cherang Kota Bharu kelantan.	82	Ya	Ya	Tidak	
68.	NM 005	Malkasom bt. Ismail	Jln,Bayam Kota Bharu	62	Ya	Tidak	Ya	TS
69.	NM 006	Halimah Hussin	Kg. Sungai Keladi Kota Bharu Kelantan	80	Ya	Tidak	Ya(Kapsul)	Negatif
70.	NM 007	Che Jah bt. Mat	Kg. Pasir Pekan Kota Bharu Kelantan.	75	Ya	Ya	Tidak	
71.	NM 008	Hasmah bt. Ahmad	Kg. Sungai Keladi Kota Bharu Kelantan	69	Ya	Tidak	Ya	TS
72.	NM 009	Wan Zainab Wan Yaacob	4925 Kg. Sungai Keladi Kota Bharu Kelantan	79	Ya	Ya	Tidak	

		b.W.Mamat	Kota Bharu Kel.		Ya	Ya	Tidak	
44.	MF3007	Ismail b.Salleh	Kg.Chica Kubang Kerian Kota Bharu Kel.	70	Tidak	Tidak	Tidak	
45.	MF3015	Hjh. Aishah bt. Mamat	Jln. Pengkalan Keropok Kg.Laut	62	Ya	Tidak	Ya(Akar kayu)	KIV
46.	MF3016	W.Minah b.W.Isa	Kg.Bendang Pulau Kg.Laut	90	Tidak	Tidak	Ya	TS
47.	MF3017	Che Mahmood b. Che Seman	Kg.Bendang Pulau Kg. Laut	79	Ya	Ya	Ya	TS
48.	MF3018	Raja Ibrahim b. Raja Abdullah	Kg. Pulau Masjid Kubang Kerian	60	Ya	Tidak	Tidak	
49.	MF3019	Mek Nab bt.Junus	Kg. Pulau Raja Kubang Kerian	63	Ya	Ya	Ya(Akar Tanjung Jantan)	KIV
50.	MF3020	Yaakub Ab.Rahman.	Kg. Pulau Raja K/kerian	74	Ya	Ya	Ya(Kapsul,Debu)	KIV
51.	MF3021	Deraman b. Ismail	Padang Seri Paduka Kubang Kerian	68	Ya	Ya	Tidak	
52.	MF3022	Jusoh b. Awang	Kg.Pulau Masjid Kubang Kerian	66	Ya	Ya	Tidak	
53.	MF3023	Mak Jah @ Khadijah Salleh	Sek. Keb.Lundang Kota Bharu	63	Ya	Ya	Tidak	

54.	MF3024	Minah bt. Mat Ali	Kg. Demit Sungai Kubang Kerian	72	Ya	Ya	Tidak	
55.	MF3025	Raja Seripah Raja Awang	Kg. Pulau Raja Kubang Kerian	82	Ya	Ya	Tidak	
56.	MF3026	Tg.Seripah bt. Tg. Mahmood	Kg. Pulau Raja Kubang Kerian	62	Ya	Ya	Tidak	
57.	MF3027	Fatimah Omar	Padang Bongor K/Bharu	64	Ya	Ya	Tidak	
58.	MF3028	Che Yah Seman	Bt.5 ½ Belakang Coltese Kg. Chica Hilir	65	Ya	Ya	Tidak	
59.	MF3029	Yusoff b. Yunus	Kg. Jaya Pasir Hor Kota Bharu	73	Ya	Ya	Tidak	
60.	MF3030	N.Eshah bt.Ab. Rahman	Kg. Langgar Kota Bharu	71	Ya	Ya	Tidak	
61.	MF3031	Hussin b. Sulong	Bt.4 Jln.K. Krai	81	Ya	Ya	Tidak	
62.	MF3032	N.Man b. Mamat	Kg. Pulau Raja Kubang Kerian	72	Ya	Ya	Tidak	
63.	MF3033	Mohd Nor Ismail	Jln. Sek. Keb. Lundang Kota Bharu	76	Ya	Ya	Ya	TS
64.	NM 001	Bidah bt. Pit	Kg. Cherang Kota Bharu	67	Ya	Ya	Tidak	
65.	NM 002	Mek Yam Awang Besar.	Kg. Cherang Kota Bharu Kelantan.	61	Ya	Ya	Ya	TS
66.	NM 003	Che Min b. Ahmad	Kg. Cherang Kota Bharu Kelantan.	60	Ya	Ya	Tidak	
67.	NM 004	Awang Sulong	Kg. Cherang Kota Bharu kelantan.	82	Ya	Ya	Tidak	
68.	NM 005	Malkasom bt. Ismail	Jln,Bayam Kota Bharu	62	Ya	Tidak	Ya	TS
69.	NM 006	Halimah Hussin	Kg. Sungai Keladi Kota Bharu Kelantan	80	Ya	Tidak	Ya(Kapsul)	Negatif
70.	NM 007	Che Jah bt. Mat	Kg. Pasir Pekan Kota Bharu Kelantan.	75	Ya	Ya	Tidak	
71.	NM 008	Hasmah bt. Ahmad	Kg. Sungai Keladi Kota Bharu Kelantan	69	Ya	Tidak	Ya	TS
72.	NM 009	Wan Zainab Wan Yaacob	4925 Kg. Sungai Keladi Kota Bharu Kelantan	79	Ya	Ya	Tidak	

73.	NM 010	Che Hassan b. Yaacob	Kg. Padang Merbuk Peringat Kota Bharu	61	Ya	Ya	Tidak	
74.	NM 011	Mek Nab Kunder	Kg. Kenali Kubang Kerian Kota Bharu	66	Ya	Ya	Tidak	
75.	NM 012	Roniah Yusof	Kg. Padang Lati Hilir Jln. Bekelam Bachok	62	Ya	Ya	Tidak	
76.	NM 013	Lijah Mamat	Kg. Seri Padang Demit Kota Bharu Kelantan	65	Ya	Tidak	Ya(Kapsul Kelabu)	Positif
77.	NM 014	Limah Awang	Pantai Damat Perupok Bachok	76	Ya	Ya	Tidak	
78.	NM 015	Yusof b. Salleh	Kg. Seri Padang Demit Kota Bharu Kelantan	65	Ya	Tidak	Ya(Kapsul Merah, Kapsul Oren)	Negatif Positif
79.	NM 016	Ibrahim Husin	928 Baung Bayang Kota Bharu Kelantan	65	Ya	Ya	Tidak	
80.	NM 017	Daud Lembek	No.206 Kg. Padang Lati Bukit Marak	71	Ya	Ya	Tidak	
81.	NM 018	Mat Omar b. Awang	Kedai Bukit Marak Bekelam Kelantan	77	Ya	Ya	Tidak	
82.	NM 019	Cik Minah Cik Amat	Kedai Bukit Marak Bekelam Kelantan	75	Ya	Ya	Tidak	
83.	NM 020	Omar b. Sulaiman	K-24 Kubang Kerian Kelantan	66	Ya	Ya	Tidak	
84.	NM 021	Minah bt. Awang Kechik	Kg, Kenali Belakang Klinik K/Kerian	65	Ya	Ya	Ya	TS
85.	NM 022	Zaleha Abdullah	Pondok Pasir Tumbuh Kota Bharu	65	Tidak	Tidak	Ya	TS
86.	NM 023	Md. Noor Yaacob	Lorong Kubur K/Kerian	71	Ya	Ya	Tidak	
87.	NM 024	Che Minah Salleh	Kg, Chica Kota Bharu Kelantan	78	Ya	Ya	Tidak	
88.	NM 025	Ibrahim Mohd	Kg. Kenali Jln. Pasir Hor	65	Ya	Ya	Tidak	
89.	NM 026	Minah bt. Jenal	Kg. Wakaf Stan Kota Bharu Kelantan	78	Ya	Ya	Tidak	
90.	NM 027	Hj. Mohd Hj. Samat	Kg. Pasir Jelantang Kota	74	Ya	Ya	Tidak	

			Bharu Kelantan					
91.	NM 028	Meriam Deraman	Kg. Pasir Jelantang Kota Bharu Kelantan	65	Ya	Ya	Tidak	
92.	NM 029	Md. Isa Sulaiman	Kg. Pasir Jelantang Kota Bharu Kelantan	72	Ya	Ya	Ya(Kapsul Oren)	Negatif
93.	NM 030	Hazifah M. Yusoff	Kg. Pasir Jelantang Kota Bharu Kelantan	61	Ya	Ya	Ya(Kapsul Merah)	Positif
94.	NM 031	Mek Yam bt Yusof	Kg. Sungai Keladi Kota Bharu	63	Ya	Ya	Ya	TS
95.	NM 032	Wan Jah bt. Wan Yaacob	Kg. Sungai Keladi Kota Bharu Kelantan	63	Ya	Ya	Tidak	
96.	NM 033	Siti Aminah bt. Ahmad	Kg. Lati Bukit Marak Kelantan	70	Ya	Ya	Tidak	
97.	NM 034	Limah bt. Taib	Kg. Pohon Mesta Pasir Tumbuh Kelantan	73	Ya	Ya	Ya	TS
98.	NM 035	Yaacob b. Mat Sim	Kg. Pohon Mesta Pasir Tumbuh Kelantan	76	Ya	Ya	Tidak	
99.	NM 036	Siti Minah bt. Awg. Ngah	Kg. Padang Bongor Kota Bharu Kelantan	76	Ya	Ya	Ya	TS
100.	NM 037	Minah bt Mamat	Kg. Pasir Jelantang Kota Bharu Kelantan	68	Tidak	Tidak	Tidak	
101.	NM 038	Ghazali Abas	Jln. Dato Lundang Kota Bharu Kelantan	66	Ya	Ya	Ya	TS
102.	NM 039	Halimah bt. Yusof	Kg. Binjal Bukit Marak Kelantan	70	Ya	Ya	Ya(Makjun)	KIV
103.	NM 040	Salleh b. Awg.Long	Kubang Kerian Kelantan	79	Ya	Ya	Tidak	
104.	NM 041	Nik Som bt. N. Mahmud	Kg. Wakaf Stan Kota Bharu Kelantan	70	Ya	Ya	Tidak	
105.	NM 042	Piah bt. Husin	Kg. Pulau Hilir K/Kerian	70	Ya	Ya	Tidak	
106.	NM 043	Daud b. Yunus	Kg. Gong Batu Beris Panchor	68	Ya	Ya	Ya	TS
107.	NM 044	Ibrahim b. Deris	Kg. Pasir Hor Kota Bharu Kelantan	65	Ya	Ya	Tidak	
108.	NM 045	Hjh. Fatimah bt. Yusof	Cabang 4 Binjal Bukit Marak Kelantan	88	Ya	Ya	Ya	TS

109.	NM 046	Limah Mat Shah	Kg. Terusan Limbat Kota Bharu Kelantan	71	Ya	Ya	Tidak	
110.	NM 047	Azizah bt. Musa	Kg. Pasir Hor Kota Bharu Kelantan	64	Ya	Ya	Tidak	
111.	NM 048	Che Ngah b. Awang Besar	Kg. Chicha K/Kerian Kelantan	73	Ya	Ya	Ya	TS
112.	NM 049	Saadah bt. Yaacob	Jln. Wakaf Stan K/Kerian Kelantan	71	Ya	Ya	Ya	TS
113.	NM 050	Mek Sulaiman	Pondok Pasir Tumbuh Kota Bharu Kelantan	77	Ya	Ya	Tidak	
114.	NM 051	Halimah Derahman	Kg. Panjang Banggu Kota Bharu Kelantan	77	Tidak	Tidak	Ya	TS
115.	NM 052	Fatimah bt. Abdul Samad	Kg. Paya Rambai Kota Bharu Kelantan	62	Ya	Ya	Tidak	
116.	NM 053	Mamat b. Ismail	Kg. Paya Rambai Kota Bharu Kelantan	60	Ya	Ya	Tidak	
117.	NM 054	Hajjah Zawiah bt. Sulaiman	Pondok Pasir Tumbuh Kota Bharu Kelantan	62	Ya	Ya	Tidak	
118.	NM 055	Haji Wook bt Ali	Pondok Pasir Tumbuh Kota Bharu Kelantan	70	Ya	Ya	Tidak	
119.	NM 056	Timah bt Awang	Pondok Pasir Tumbuh Kota Bharu Kelantan	87	Ya	Ya	Tidak	
120.	NM 057	Munah bt Daud	Pondok Pasir Tumbuh	75	Tidak	Tidak	Tidak	
121.	NM 058	Ariffin b. Ismail	Kubur Maras Langgar	60	Ya	Ya	Tidak	
122.	NM 059	Limah bt Saman	Pondok Pasir Tumbuh Kota Bharu Kelantan	86	Ya	Ya	Tidak	
123.	NM 060	Limah bt. Seman	Pondok Pasir Tumbuh Kota Bharu Kelantan	73	Ya	Ya	Ya	TS
124.	NM 061	Mek Sepiah bt. Yunus	Kg. Lundang Kota Bharu Kelantan	80	Ya	Ya	Tidak	
125.	NM 062	Mat Nor b. Daud	Kg. Demit K/Kerian Kota Bharu Kelantan	65	Tidak	Tidak	Tidak	
126.	NM 063	Haji Mohd Redzuan b. Hj. Ahmad	No.4 Jln. Tok Kenali K/Kerian Kelantan	67	Ya	Ya	Tidak	

127.	NM 064	Haji Esah bt. Awang	Pondok Pasir Tumbuh Kota Bharu Kelantan	75	Ya	Ya	Ya(Jamu)	KIV
128.	NM 065	Halijah bt. Deraman	Pondok Pasir Tumbuh Kota Bharu Kelantan	72	Tidak	Tidak	Ya	TS
129.	NM 066	Mek Fatimah bt. Mamat	Taman Parit Baru Pasir Tumbuh Kelantan	65	Tidak	Tidak	Tidak	
130.	NM 067	Kalsom bt. Ibrahim	Pondok Pasir Tumbuh Kota Bharu Kelantan	70	Tidak	Tidak	Tidak	
131.	NM 068	Abdullah b. Musa	Jln. Pasir Puteh K/Kerian Kelantan	60	Ya	Ya	Ya(Kapsul hijau/kuning,Kapsul merah/hitam.)	Negatif Negatif
132.	NM 069	Siti Hindon bt Awang	Kg. Pulong K/Kerian Kelantan	64	Ya	Ya	Ya(Kapsul merah/kuning)	Positif
133.	NM 070	Che Soh b. Yahya	Kg. Cherang Jln. Dato Lundang K/B Kel.	95	Tidak	Tidak	Tidak	
134.	NM 071	Yusof b. Awang Lah	Kg. Cherang Jln. Dato Lundang K/B Kel.	60	Ya	Ya	Tidak	
135.	NM 072	Mek Yah bt Yusof	Kg. Cherang Jln. Dato Lundang K/B Kel.	90	Ya	Ya	Tidak	
136.	NM 073	Mek Esah bt Yusof	Kg. Cherang Jln. Dato Lundang K/B Kel.	60	Tidak	Tidak	Ya	TS
137.	NM 074	Limah bt Mat Soh	Pondok Pasir Tumbuh	75	Ya	Ya	Tidak	

127.	NM 064	Haji Esah bt. Awang	Pondok Pasir Tumbuh Kota Bharu Kelantan	75	Ya	Ya	Ya(Jamu)	KIV
128.	NM 065	Halijah bt. Deraman	Pondok Pasir Tumbuh Kota Bharu Kelantan	72	Tidak	Tidak	Ya	TS
129.	NM 066	Mek Fatimah bt. Mamat	Taman Parit Baru Pasir Tumbuh Kelantan	65	Tidak	Tidak	Tidak	
130.	NM 067	Kalsom bt. Ibrahim	Pondok Pasir Tumbuh Kota Bharu Kelantan	70	Tidak	Tidak	Tidak	
131.	NM 068	Abdullah b. Musa	Jln. Pasir Puteh K/Kerian Kelantan	60	Ya	Ya	Ya(Kapsul hijau/kuning, Kapsul merah/hitam.)	Negatif Negatif
132.	NM 069	Siti Hindon bt Awang	Kg. Pulong K/Kerian Kelantan	64	Ya	Ya	Ya(Kapsul merah/kuning)	Positif
133.	NM 070	Che Soh b. Yahya	Kg. Cherang Jln. Dato Lundang K/B Kel.	95	Tidak	Tidak	Tidak	
134.	NM 071	Yusof b. Awang Lah	Kg. Cherang Jln. Dato Lundang K/B Kel.	60	Ya	Ya	Tidak	
135.	NM 072	Mek Yah bt Yusof	Kg. Cherang Jln. Dato Lundang K/B Kel.	90	Ya	Ya	Tidak	
136.	NM 073	Mek Esah bt Yusof	Kg. Cherang Jln. Dato Lundang K/B Kel.	60	Tidak	Tidak	Ya	TS
137.	NM 074	Limah bt Mat Soh	Pondok Pasir Tumbuh	75	Ya	Ya	Tidak	
138.	NM 075	Mek Eshah bt Hamat	Kg. Parit Limbat K/B	65	Ya	Ya	Ya	TS
139.	NM 076	Sulaiman b. Mamat	Kg. Demit Lundang Kota Bharu Kelantan	70	Tidak	Tidak	Tidak	
140.	NM 077	Munah bt Abdullah	Kg. Parit Limbat Kota Bharu Kelantan	70	Ya	Ya	Tidak	
141.	NM 078	Hjh. Sapiah bt Mat Deris	Pondok Terusan Pasir Tumbuh K/Bharu Kel.	80	Ya	Ya	Ya	TS
142.	NM 079	Yusof b. Ali	Jln. Masjid Lundang Kota Bharu Kell.	64	Ya	Ya	Tidak	
143.	NM 080	Mariam Yaacob	Kg. Chica Lorong Caltex Kubang Kerian	64	Ya	Ya	Tidak	
144.	NM 081	Raja Setawa bt Raja Talib	Kg. Pulau Raja Kubang Kerian Kelantan	63	Ya	Ya	Tidak	

145.	NM 082	Mek Yam Awang	Kg. Chica Kubang Kerian K/B Kel.	79	Ya	Ya	Tidak	
146.	NM 083	Fatimah bt Chik	Pondok Terusan Pasir Tumbuh Kota Bharu	78	Ya	Ya	Tidak	
147.	NM 084	Fatimah bt Dollah	Padang Bongor Binja Kota Bharu Kelantan	72	Ya	Ya	Tidak	
148.	NM 085	Raja Kalsom bt Raja Radin	Kg. Pulau Raja Kubang Kerian Kelantan	80	Ya	Ya	Tidak	
149.	NM 086	Fatimah Omar	Kg. Padang Bongor Banggu Kota Bharu Kel	65	Ya	Ya	Tidak	
150.	NM 087	Tuan Seni bt Tuan Muda	Kg. Demit Kubang Kerian K/B Kelantan	65	Ya	Ya	Tidak	
151.	NM 088	Yah bt Mamat	Kg. Telipot Lundang Kota Bharu Kelantan	63	Ya	Ya	Tidak	
152.	NM 089	Nor b. Ibrahim	Kg. Hutan Pasir Kok Lanas Kelantan	80	Tidak	Tidak	Tidak	
153.	NM 090	Harizah bt Mamat	Kg. Pasir Hor Kota Bharu Kelantan	64	Ya	Ya	Tidak	
154.	NM 091	Haji Mamat b. Ismail	Kg. Gong Dermin Banggu Kota Bharu	65	Tidak	Tidak	Tidak	
155.	NM 092	Abdullah hj. Mahmud	Pondok Tok Kenali Kubang Kerian Kelantan	65	Ya	Ya	Tidak	
156.	NM 093	Kalsom bt. Mat Hassan	Kg. Chicha Bt.5 ½ Kubang Kerian Kel	60	Ya	Ya	Tidak	
157.	NM 094	Nik Mah bt Sulong	Kg. Pulong Kubang Kerian Kelantan	62	Ya	Ya	Tidak	
158.	NM 095	Cek Mahmud b. Cek Awang	Kg. Pulong Kubang Kerian Kelantan	76	Ya	Ya	Tidak	
159.	NM 096	Cik Yam bt Cik Mat	Kg. Chicha Kubang Kerian Kelantan	60	Ya	Ya	Ya	TS
160.	NM 097	Hajjah Mariam Haji Mamat	Kg. Pulong Taman Puteri Kubang Kerian Kel.	85	Ya	Ya	Tidak	
161.	NM 098	Samsiah bt Hassan	Kg. Binjal Kubang Kerian Kelantan	60	Ya	Tidak	Ya	TS

NM 099	Yaman b. Mamat	575A Kg. Kenali Kubang Kerian Kel.	71	Ya	Ya	Tidak	
NM 100	Che Minah bt Adek Awang	Kg. Belukar Bekelam Bachok Kelantan	68	Tidak	Tidak	Tidak	
NM 101	Hajjah Habsah bt Awang	Kedai Pasir Tumbuh Kota Bharu Kelantan	65	Ya	Ya	Tidak	
NM 102	Noriah bt Yaacob	Pondok Pasir Tumbuh Kota Bharu Kelantan	64	Ya	Ya	Tidak	
NM 103	Halimah bt Senik	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Ya	TS
NM 104	Fatimah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	88	Ya	Ya	Tidak	
NM 105	Esah bt Salleh	Pondok Terusan Pasir Tumbuh Kota Bharu Kelantan	65	Tidak	Tidak	Tidak	
NM 106	Sabariah bt Mat Sani	Balai Polis Kubang Kerian	65	Ya	Ya	Tidak	
NM 107	Jaafar b. Husin	Kg. Perangkap Bunut Susu P.Mas Kelantan	78	Tidak	Tidak	Tidak	
NM 108	Halimah bt. Awang Hamat	Kg. Perangkap Bunut Susu P.M kelantan	72	Ya	Ya	Ya(Kapsul)	Negatif
NM 109	Yusoff b Hussin	Kg. Manan P.Mas Kel.	76	Ya	Ya	Tidak	

162.	NM 099	Yaman b. Mamat	575A Kg. Kenali Kubang Kerian Kel.	71	Ya	Ya	Tidak	
163.	NM 100	Che Minah bt Adek Awang	Kg. Belukar Bekelam Bachok Kelantan	68	Tidak	Tidak	Tidak	
164.	NM 101	Hajjah Habsah bt Awang	Kedai Pasir Tumbuh Kota Bharu Kelantan	65	Ya	Ya	Tidak	
165.	NM 102	Norihah bt Yaacob	Pondok Pasir Tumbuh Kota Bharu Kelantan	64	Ya	Ya	Tidak	
166.	NM 103	Halimah bt Senik	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Ya	TS
167.	NM 104	Fatimah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	88	Ya	Ya	Tidak	
168.	NM 105	Esah bt Salleh	Pondok Terusan Pasir Tumbuh Kota Bharu Kelantan	65	Tidak	Tidak	Tidak	
169.	NM 106	Sabariah bt Mat Sani	Balai Polis Kubang Kerian	65	Ya	Ya	Tidak	
170.	NM 107	Jaafar b. Husin	Kg. Perangkap Bunut Susu P.Mas Kelantan	78	Tidak	Tidak	Tidak	
171.	NM 108	Halimah bt. Awang Hamat	Kg. Perangkap Bunut Susu P.M kelantan	72	Ya	Ya	Ya(Kapsul)	Negatif
172.	NM 109	Yusoff b. Hussin	Kg. Manan P.Mas Kel.	76	Ya	Ya	Tidak	
173.	NM 110	Bidah bt Yusof	Kg. Manan Tendong P.Mas Kelantan	70	Ya	Ya	Tidak	
174.	NM 111	Bidah bt. Senik	Kg. Manan Tendong P.Mas Kelantan	82	Tidak	Tidak	Tidak	
175.	NM 112	Fatimah bt Timun	4866E Sungai Keladi Kota Bharu Kelantan	61	Tidak	Tidak	Tidak	
176.	NM 113	Said b. Yusof	Kg. Baung Bayam Kota Bharu Kelantan	71	Tidak	Tidak	Tidak	
177.	NM 114	Fatimah Mat Ali	Kg. Baung Bayam Kota Bharu Kelantan	65	Tidak	Tidak	Tidak	
178.	NM 115	Mek Pah bt Salleh	Kg. Pulau Melaka Kota Bharu Kelantan	65	Ya	Tidak	Ya(Kapsul)	Positif
179.	NM 116	Fatimah bt Hassan	Bt 6 Pasir Tumbuh Kota	64	Ya	Ya	Tidak	

			Bharu Kelantan					
180.	NM 117	Senin bt Ali	Pondok Terusan Pasir Tumbuh K/B	66	Ya	Ya	Tidak	
181.	NM 118	Mariam Awang	Bt 6 Pasir Tumbuh K/B	60	Ya	Ya	Tidak	
182.	NM 119	Kelsom bt Mat Amin	Kg. Wakaf Stan Kubang Kerian	72	Ya	Ya	Tidak	
183.	NM 120	Sapor Ismail	Pondok Pasir Tumbuh Kota Bharu	68	Ya	Ya	Ya(Kapsul Merah, Kapsul Kuning)	Positif Positif
184.	NM 121	Setawa bt Saaid	Kg. Kubang Siput Pasir Tumbuh Kota Bharu	78	Tidak	Tidak	Tidak	
185.	NM 122	Sadiyah bt Awang	Kg. Machang Limbat Pasir Tumbuh K/B	68	Ya	Ya	Tidak	
186.	NM 123	Mahussain Mohd	Kg. Kenali Kubang Kerian K/B	60	Ya	Ya	Tidak	
187.	NM 124	Yusof b. Yunus	Kg. Jaya Paya Keranji Pasir Hor K/B	73	Ya	Ya	Ya	TS
188.	NM 125	Zaharah bt Yusof	Kg. Pasir Hor Kota Bharu	60	Tidak	Tidak	Tidak	
189.	NM 126	Yam bt Min	Kg. Pulau Hilir Kubang Kerian Kota Bharu	70	Ya	Ya	Tidak	
190.	NM 127	Kalsom Ismail	Pondok Terusan Pasir Tumbuh K/Bharu	70	Ya	Ya	Tidak	
191.	NM 128	Kalsom Dollah	Pondok Terusan Pasir T	70	Ya	Ya	Tidak	
192.	NM 129	Yoh bt Ismail	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Tidak	Tidak	Tidak	
193.	NM 130	Siti Fatimah bt Ismail	Pondok Terusan Pasir Tumbuh Kota Bharu	65	Ya	Tidak	Ya(Makjun)	KIV
194.	NM 131	Hajjah Zainab Hj. Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Tidak	
195.	NM 132	Mek Som bt Mat	Pondok Pasir Tumbuh Kota Bharu	70	Tidak	Tidak	Ya	TS
196.	NM 133	Hajjah Aminah Mat Sah	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Ya	Tidak	Ya(Kapsul Merah)	Positif
197.	NM 134	Haji Sidek b. Ismail	Pondok Terusan Pasir Tumbuh Kota Bharu	74	Ya	Tidak	Ya(Kapsul)	Negatif

198.	NM 135	Halimah bt. Idris	Kg. Cherang Jln. Dato Lundang Kota Bharu	64	Ya	Tidak	Ya(Makjun)	Negatif
199.	NM 136	Khadijah b. Setapa	Pondok Terusan Pasir Tumbuh Kota Bharu	68	Ya	Tidak	Ya(Tonik)	KIV
200.	NM 137	Kalsom bt Husin	Pondok Pasir Tumbuh	60	Ya	Tidak	Ya(Jamu Satria)	Negatif
201.	NM 138	Membunga bt Yusof	Pondok Terusan Pasir Tumbuh	67	Ya	Tidak	Ya(Tonik Tongkat Ali)	KIV
202.	NM 139	Aishah bt N. Abdullah	Kg. Sungai Keladi Kota Bharu	64	Tidak	Tidak	Tidak	
203.	NM 140	Hamat b. Yahya	Kg. Cherang Jln. Dato Lundang Kota Bharu	78	Ya	Ya	Tidak	
204.	NM 141	Jah bt Yahya	Pondok Pasir Tumbuh Kota Bharu	63	Tidak	Tida	Tidak	
205.	NM 142	Hajjah Limah bt Hamat	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Tidak	Tidak	Tidak	
206.	NM 143	Esah Mat	Pondok Terusan Pasir Tumbuh	73	Ya	Ya	Tidak	
207.	NM 144	Hajjah Kalsom bt Jusoh	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Ya	Ya	Tidak	
208.	NM 145	Mariam bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Tidak	

198.	NM 135	Halimah bt. Idris	Kg. Cherang Jln. Dato Lundang Kota Bharu	64	Ya	Tidak	Ya(Makjun)	Negatif
199.	NM 136	Khadijah b. Setapa	Pondok Terusan Pasir Tumbuh Kota Bharu	68	Ya	Tidak	Ya(Tonik)	KIV
200.	NM 137	Kalsom bt Husin	Pondok Pasir Tumbuh	60	Ya	Tidak	Ya(Jamu Satria)	Negatif
201.	NM 138	Membunga bt Yusof	Pondok Terusan Pasir Tumbuh	67	Ya	Tidak	Ya(Tonik Tongkat Ali)	KIV
202.	NM 139	Aishah bt N. Abdullah	Kg. Sungai Keladi Kota Bharu	64	Tidak	Tidak	Tidak	
203.	NM 140	Hamat b. Yahya	Kg. Cherang Jln. Dato Lundang Kota Bharu	78	Ya	Ya	Tidak	
204.	NM 141	Jah bt Yahya	Pondok Pasir Tumbuh Kota Bharu	63	Tidak	Tida	Tidak	
205.	NM 142	Hajjah Limah bt Hamat	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Tidak	Tidak	Tidak	
206.	NM 143	Esah Mat	Pondok Terusan Pasir Tumbuh	73	Ya	Ya	Tidak	
207.	NM 144	Hajjah Kalsom bt Jusoh	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Ya	Ya	Tidak	
208.	NM 145	Mariam bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Tidak	
209.	NM 146	Yusof b. Sulong	Kg. Pulong Kubang Kerian Kota Bharu	88	Ya	Ya	Ya	TS
210.	NM 147	Fatimah bt Mat Hassan	Kg. Kubang Siput Pasir Tumbuh Kota Bharu	60	Ya	Ya	Tidak	
211.	NM 148	Meryam bt Mohamad	Lorong Iman Lundang Kota Bharu	61	Tidak	Tidak	Tidak	
212.	NM 149	Tuan Ismail b. Tuan Kechik	Bt.7 Kubang Keranji Jln. Pasir Puteh	77	Ya	Ya	Tidak	
213.	NM 150	Raja Seripah Raja Awang	Kg. Pulau Raja Kubang Kerian Kota Bharu	80	Ya	Ya	Ya	TS
214.	NM151	Mek bt Mat Taib	Kg. Tembesu Limbat Kota Bharu	80	Ya	Ya	Tidak	
215.	NM 152	Raja Kamariah bt Ab. Rahman	Kg. Kubang Siput Parit Kota Bharu	80	Ya	Ya	Tidak	

216.	NM 153	Deraman Taib	Kg. Karam Bukit Marak Kota Bharu	75	Ya	Ya	Tidak	
217.	NM 154	W.Yam W.Sulaiman	Kg. Pasir Hor Kota Bharu	65	Ya	Ya	Tidak	
218.	NM 155	Ali @ Mohd Ali b. Sulong	Kg. Lundang Kota Bharu	67	Ya	Ya	Tidak	
219.	NM 156	Hajjah Maznah Ab. Rahman	Kg. Lundang Kota Bharu	62	Ya	Ya	Ya	TS
220.	NM 157	Hussin b. Sulong	Bt.4 Jln. K/ Krai Kota Bharu	83	Ya	Ya	Tidak	
221.	NM 158	Hajjah Fatimah bt Omar	Kg. Padang Bongor Binjai Kota Bharu	65	Ya	Ya	Tidak	
222.	NM 159	W.Mahmud W.Abdul Bakar	1672 Cabang 3 Lundang Kota Bharu Kelantan	63	Ya	Ya	Ya	TS
223.	NM 160	Cik Yoh bt Osman	Kg. Chica Kubang Kerian Kota Bharu Kelantan	70	Ya	Ya	Tidak	
224.	NM 161	Bidah bt Mohamed	PT 73 Taman Desa Wangi Kg. Kubang Siput Limbat	61	Ya	Ya	Tidak	
225.	NM 162	Zakaria b. Ab. Rahman	Pt 73 Taman Desa Wangi Kg. Kubang Siput Limbat	65	Ya	Ya	Tidak	
226.	NM 163	Kadir b. Jusoh	Kg. Chica Kubang Kerian Kota Bharu Kelantan	72	Tidak	Tidak	Tidak	
227.	NM 164	Wan Yam W. Yaacub	Jln. Sek. Keb. Lundang Kota Bharu Kelantan	62	Tidak	Tidak	Tidak	
228.	NM 165	Haji W. Ibrahim W.Husin	911 Lorong Pulau Hilir Kubang Kerian	71	Tidak	Tidak	Tidak	
229.	NM 166	Mek Som bt Ismail	Kg. Karang Banggu Binjai Kota Bharu Kelantan	60	Ya	Ya	Tidak	
230.	NM 167	Mariam bt Awang	Kg. Telaga Bata Sering Kota Bharu	85	Ya	Ya	Tidak	
231.	NM 168	Embong bt. Hussin	Kg. Telaga Bata Sering Kota Bharu	80	Tidak	Tidak	Ya	TS
232.	NM 169	Limah bt. Mat Min	Kg. Telaga Bata Sering Kota Bharu Kelantan	63	Ya	Ya	Tidak	

216.	NM 153	Deraman Taib	Kg. Karam Bukit Marak Kota Bharu	75	Ya	Ya	Tidak	
217.	NM 154	W.Yam W.Sulaiman	Kg. Pasir Hor Kota Bharu	65	Ya	Ya	Tidak	
218.	NM 155	Ali @ Mohd Ali b. Sulong	Kg. Lundang Kota Bharu	67	Ya	Ya	Tidak	
219.	NM 156	Hajjah Maznah Ab. Rahman	Kg. Lundang Kota Bharu	62	Ya	Ya	Ya	TS
220.	NM 157	Hussin b. Sulong	Bt.4 Jln. K/ Krai Kota Bharu	83	Ya	Ya	Tidak	
221.	NM 158	Hajjah Fatimah bt Omar	Kg. Padang Bongor Binjai Kota Bharu	65	Ya	Ya	Tidak	
222.	NM 159	W.Mahmud W.Abdul Bakar	1672 Cabang 3 Lundang Kota Bharu Kelantan	63	Ya	Ya	Ya	TS
223.	NM 160	Cik Yoh bt Osman	Kg. Chica Kubang Kerian Kota Bharu Kelantan	70	Ya	Ya	Tidak	
224.	NM 161	Bidah bt Mohamed	PT 73 Taman Desa Wangi Kg. Kubang Siput Limbat	61	Ya	Ya	Tidak	
225.	NM 162	Zakaria b. Ab. Rahman	Pt 73 Taman Desa Wangi Kg. Kubang Siput Limbat	65	Ya	Ya	Tidak	
226.	NM 163	Kadir b. Jusoh	Kg. Chica Kubang Kerian Kota Bharu Kelantan	72	Tidak	Tidak	Tidak	
227.	NM 164	Wan Yam W. Yaacub	Jln. Sek. Keb. Lundang Kota Bharu Kelantan	62	Tidak	Tidak	Tidak	
228.	NM 165	Haji W. Ibrahim W.Husin	911 Lorong Pulau Hilir Kubang Kerian	71	Tidak	Tidak	Tidak	
229.	NM 166	Mek Som bt Ismail	Kg. Karang Banggu Binjai Kota Bharu Kelantan	60	Ya	Ya	Tidak	
230.	NM 167	Mariam bt Awang	Kg. Telaga Bata Sering Kota Bharu	85	Ya	Ya	Tidak	
231.	NM 168	Embong bt. Hussin	Kg. Telaga Bata Sering Kota Bharu	80	Tidak	Tidak	Ya	TS
232.	NM 169	Limah bt. Mat Min	Kg. Telaga Bata Sering Kota Bharu Kelantan	63	Ya	Ya	Tidak	

238.	NM 175	Salleh b. Daud	Pondok Beta Hilir, Beta Kota Bharu Kelantan	76	Ya	Ya	Ya	TS
239.	NM 176	Aminah bt Daud	Pondok Beta Hilir, Beta Kota Bharu Kelantan	80	Ya	Ya	Ya	TS
240.	NM 177	Siti Fatimah Jusoh	Pondok Beta Hilir, Beta Kota Bharu Kelantan	70	Tidak	Tidak	Tidak	
241.	NM 178	Sa'at b. Ya'acob	Pondok Beta Hilir, Beta Kota Bharu Kelantan	73	Tidak	Tidak	Tidak	
242.	NM 179	Bidah Deris	Pondok Beta Hilir, Beta Kota Bharu Kelantan	64	Tidak	Tidak	Tidak	
243.	NM 180	Hassan b. Abu Bakar	Pondok Beta Hilir, Beta Kota Bharu Kelantan	76	Tidak	Tidak	Tidak	
244.	NM 181	Mek Mah bt Ab. Rahman	Pondok Beta Hilir, Beta Kota Bharu Kelantan	65	Ya	Ya	Ya	
245.	NM 182	Che Munnah Che Bakar	Pondok Beta Hilir, Beta Kota Bharu Kelantan	85	Ya	Ya	Ya	
246.	NM 183	Bidah bt Mahmud	Pondok Beta Hilir, Beta Kota Bharu Kelantan	69	Tidak	Tidak	Tidak	
247.	NM 184	Saadiah bt Deraman	Kg. Kedai Lalat Sering Kota Bharu Kelantan	82	Ya	Ya	Ya	
248.	NM 185	Zakaria bin Awang	Kg. Telaga Bata Sering Kota Bharu Kelantan	83	Ya	Ya	Ya	
249.	NM 186	Esah bt Dollah	Kg. Pasir Hor K/ Kerian Kota Bharu Kelantan	85	Tidak	Tidak	Tidak	
250.	NM 187	Che Ramlah Che	Kg. Kijang Jln. Pcb Kota	63	Tidak	Tidak	Tidak	

233.	NM 170	Haji Nik Man b. Tuan Muda	Kg. Raja Machang Kelantan	82	Tidak	Tidak	Tidak	
234.	NM 171	Tuan Yahya Tuan Daud	Kg. Pek Machang Kelantan	65	Ya	Tidak	Ya(Kapsul Merah, Mahjun)	KIV
235.	NM 172	Sepiah bt Idris	Kg. Tanjung Chat Taman Koperatif Kota Bharu	85	Ya	Tidak	Ya	TS
236.	NM 173	Bidah bt Awang	Kg. Telaga Bata Sering Kota Bharu Kelantan	62	Tidak	Tidak	Tidak	
237.	NM 174	Esah bt Awang	Kg. Telaga Bata Sering Kota Bharu Kelantan	68	Tidak	Tidak	Tidak	
238.	NM 175	Salleh b. Daud	Pondok Beta Hilir, Beta Kota Bharu Kelantan	76	Ya	Ya	Ya	TS
239.	NM 176	Aminah bt Daud	Pondok Beta Hilir, Beta Kota Bhaeu Kelantan	80	Ya	Ya	Ya	TS
240.	NM 177	Siti Fatimah Jusoh	Pondok Beta Hilir, Beta Kota Bharu Kelantan	70	Tidak	Tidak	Tidak	
241.	NM 178	Sa'at b. Ya'acob	Pondok Beta Hilir, Beta Kota Bharu Kelantan	73	Tidak	Tidak	Tidak	
242.	NM 179	Bidah Deris	Pondok Beta Hilir, Beta Kota Bharu Kelantan	64	Tidak	Tidak	Tidak	
243.	NM 180	Hassan b. Abu Bakar	Pondok Beta Hilir, Beta Kota Bharu Kelantan	76	Tidak	Tidak	Tidak	
244.	NM 181	Mek Mah bt Ab. Rahman	Pondok Beta Hilir, Beta Kota Bharu Kelantan	65	Ya	Ya	Tidak	
245.	NM 182	Che Munah Che Bakar	Pondok Beta Hilir, Beta Kota Bharu Kelantan	85	Ya	Ya	Tidak	
246.	NM 183	Bidah bt Mahmud	Pondok Beta Hilir, Beta Kota Bharu Kelantan	69	Tidak	Tidak	Tidak	
247.	NM 184	Saadiah bt Deraman	Kg. Kedai Lalat Sering Kota Bharu Kelantan	82	Ya	Ya	Tidak	
248.	NM 185	Zakaria bin Awang	Kg. Telaga Bata Sering Kota Bharu Kelantan	83	Ya	Ya	Tidak	
249.	NM 186	Esah bt Dollah	Kg. Pasir Hor K/ Kerian	85	Tidak	Tidak	Tidak	
250.	NM 187	Che Ramlah Che	Kg. Kijang Jln. Pcb Kota	63	Tidak	Tidak	Tidak	

		Mohamed	Bharu Kelantan					
251.	NM 188	Wan Sepiah Wan Musa	Kg. Kijang Jln. Pcb Kota Bharu Kelantan	89	Ya	Ya	Tidak	
252.	NM 189	Samirah bt-Isa	Pondok Pasir Tumbuh Kota Bharu Kelantan	65	Ya	Ya	Tidak	
253.	NM 190	Halijah Salleh	Sek. keb. Lundang Kota Bharu Kelantan	63	Ya	Ya	Tidak	
254.	NM 191	Ku Wook bt Haji Kemusa	Kg. Pauh Panji Kota Bharu Kelantan	80	Ya	Ya	Tidak	
255.	NM 192	Hasmah hj. Omar	Pondok Pasir Tumbuh Kota Bharu Kelantan	66	Ya	Ya	Tidak	
256.	NM 193	Mohd Nor b. Hassan	Jln. Raja Dewa Telipot Kota Bharu Kelantan	61	Ya	Ya	Ya	TS
257.	NM 194	Wan Halimah W. Mohamed	Kg. Tanjung Pasir Tumbuh Kota Bharu Kelantan	60	Tidak	Tidak	Tidak	
258.	NM 195	Mek Yam bt Ab. Rahman	Kg. Tanjung Stan Pasir Tumbuh Kota Bharu	62	Ya	Ya	Ya	TS
259.	NM 196	Mariam Yaacob	Kg. Chica Kubang Kerian Kota Bharu Kelantan	62	Ya	Ya	Tidak	
260.	NM 197	Zaharah Mahmud	Kg. Tunjung Jln. Kuala Krai Kota Bharu Kel.	64	Ya	Ya	Tidak	
261.	NM 198	Zainab bt Mahmud	Kg. Bendang Pulau Kg. Laut Kelantan	72	Ya	Ya	Ya	TS
262.	NM 199	Fatimah bt Che Ngah	Kg. Bendang Pulau Kg. Laut Kelantan	65	Tidak	Tidak	Tidak	
263.	NM 200	Haji Yusof b. Latif	Depan Klinik Desa Kg. Laut Kelantan	67	Ya	Ya	Ya	TS
264.	NM 201	Che Ghani Che Soh	Kg. Bendang Pulau Kg. Laut Kelantan	66	Tidak	Tidak	Tidak	
265.	NM 202	Esah bt Hj. Awang	Kg. Dara Main Kubang Kawah Perupok Bachok	69	Ya	Ya	Tidak	
266.	NM 203	Hajjah Minah Hj. Awang	Kg. Kuin Pasir Jln. Bekelam Jelawat Bachok	65	Ya	Ya	Tidak	
267.	NM 204	Siti Aishah Haji	Kg. Lundang Kota Bharu	60	Ya	Ya	Ya	TS

		Ibrahim	Kelantan						
268.	NM 205	Ghazali b. Awang Mat	Kg. Lundang Kota Bharu Kelantan	60	Ya	Ya	Ya		TS
269.	NM 206	Othman b. Daud	Kg. Pasir Jelatang Kubang Kerian	63	Ya	Ya	Tidak		
270.	NM 207	Meriam bt Ahmad	Kg. Bunut Payung Kota Bharu Kelantan	73	Ya	Ya	Tidak		
271.	NM 208	Mahmud Sulaiman	Kg. Kemumin Peng. Chepa Kota Bharu Kel	76	Ya	Ya	Ya		TS
272.	NM 209	Ismail b. Salleh	Kg. Surau Banggu Kota Bharu Kelantan	60	Ya	Ya	Tidak		
273.	NM 210	Wan Hussin W. Setapa	Kg. Pulau Tengah Kubang Kerian	90	Ya	Ya	Tidak		
274.	NM 211	Wan Sepiah bt Wan Omar	Kg. Tok Kenali Kubang Kerian Kota Bharu	70	Ya	Ya	Tidak		
275.	NM 212	Haji Bidah bt Mat Ali	Belakang Istana Negeri Kubang Kerian	67	Ya	Ya	Tidak		
276.	NM 213	Mohd Nor Ab. Rahman	Kg. Cabang 3 Hj. Kassim Kubang Kerian	60	Ya	Ya	Ya		TS
277.	NM 214	Haji Siti Nor bt Mohd Karim	Taman Mawar Depan Istana Kubang Kerian	75	Ya	Ya	Tidak		
278.	NM 215	Siti Esah @ Azizah bt Mohd Zain	Kg. Merbau Kota Bharu Kelantan	64	Ya	Ya	Tidak		
279.	NM 216	Setawa Said	Kg. Kubang Siput Pasir Tumbuh Kota Bharu	72	Tidak	Tidak	Tidak		
280.	NM 217	Meriam bt Yaacob	Kg. Delima Wakaf Bharu Kelantan	60	Ya	Tidak	Ya (Tablet Herba Ikan Linang)		Positif
281.	NM 218	Jusoh Awang Ya	Kg. Delima Wakaf Bharu Kelantan	73	Ya	Tidak	Ya (Pil)		KIV
282.	NM 219	Mahmud b.Seman	Kg. Wakaf Stan K/Kerian	70	Ya	Tidak	Ya(Kapsul)		Negatif
283.	NM 220	Mek Yam Romat	Kg. Wakaf Stan K/Kerian	65	Ya	Ya	Ya		TS
284.	NM 221	Dollah b. Mat Kassim	Kg. Wakaf Stan K/Kerian	73	Ya	Tidak	Ya(Kapsul)		KIV
285.	NM 222	Lijah bt Idris	Kg. Wakaf Stan K/Kerian	78	Ya	Ya	Tidak		
286.	NM 223	Tuan Yusoh b. Tuan	Kg. Panjang Banggol K/B	65	Tidak	Tidak	Ya		TS

		Ibrahim	Kelantan					
268.	NM 205	Ghazali b. Awang Mat	Kg. Lundang Kota Bharu Kelantan	60	Ya	Ya	Ya	TS
269.	NM 206	Othman b. Daud	Kg. Pasir Jelatang Kubang Kerian	63	Ya	Ya	Tidak	
270.	NM 207	Meriam bt Ahmad	Kg. Bunut Payung Kota Bharu Kelantan	73	Ya	Ya	Tidak	
271.	NM 208	Mahmud Sulaiman	Kg. Kemumin Peng. Chepa Kota Bharu Kel	76	Ya	Ya	Ya	TS
272.	NM 209	Ismail b. Salleh	Kg. Surau Banggu Kota Bharu Kelantan	60	Ya	Ya	Tidak	
273.	NM 210	Wan Hussin W. Setapa	Kg. Pulau Tengah Kubang Kerian	90	Ya	Ya	Tidak	
274.	NM 211	Wan Sepiah bt Wan Omar	Kg. Tok Kenali Kubang Kerian Kota Bharu	70	Ya	Ya	Tidak	
275.	NM 212	Haji Bidah bt Mat Ali	Belakang Istana Negeri Kubang Kerian	67	Ya	Ya	Tidak	
276.	NM 213	Mohd Nor Ab. Rahman	Kg. Cabang 3 Hj. Kassim Kubang Kerian	60	Ya	Ya	Ya	TS
277.	NM 214	Haji Siti Nor bt Mohd Karim	Taman Mawar Depan Istana Kubang Kerian	75	Ya	Ya	Tidak	
278.	NM 215	Siti Esah @ Azizah bt Mohd Zain	Kg. Merbau Kota Bharu Kelantan	64	Ya	Ya	Tidak	
279.	NM 216	Setawa Said	Kg. Kubang Siput Pasir Tumbuh Kota Bharu	72	Tidak	Tidak	Tidak	
280.	NM 217	Meriam bt Yaacob	Kg. Delima Wakaf Bharu Kelantan	60	Ya	Tidak	Ya (Tablet Herba Ikan Linang)	Positif
281.	NM 218	Jusoh Awang Ya	Kg. Delima Wakaf Bharu Kelantan	73	Ya	Tidak	Ya (Pil)	KIV
282.	NM 219	Mahmud b.Seman	Kg. Wakaf Stan K/Kerian	70	Ya	Tidak	Ya(Kapsul)	Negatif
283.	NM 220	Mek Yam Rumat	Kg. Wakaf Stan K/Kerian	65	Ya	Ya	Ya	TS
284.	NM 221	Dollah b. Mat Kassim	Kg. Wakaf Stan K/Kerian	73	Ya	Tidak	Ya(Kapsul)	KIV
285.	NM 222	Lijah bt Idris	Kg. Wakaf Stan K/Kerian	78	Ya	Ya	Tidak	
286.	NM 223	Tuan Yusoh b. Tuan	Kg. Panjang Banggol K/B	65	Tidak	Tidak	Ya	TS

		Mohamed	Bharu Kelantan					
251.	NM 188	Wan Sepiah Wan Musa	Kg. Kijang Jln. Pcb Kota Bharu Kelantan	89	Ya	Ya	Tidak	
252.	NM 189	Samirah bt Isa	Pondok Pasir Tumbuh Kota Bharu Kelantan	65	Ya	Ya	Tidak	
253.	NM 190	Halijah Salleh	Sek. keb. Lundang Kota Bharu Kelantan	63	Ya	Ya	Tidak	
254.	NM 191	Ku Wook bt Haji Kemusa	Kg. Pauh Panji Kota Bharu Kelantan	80	Ya	Ya	Tidak	
255.	NM 192	Hasmah hj. Omar	Pondok Pasir Tumbuh Kota Bharu Kelantan	66	Ya	Ya	Tidak	
256.	NM 193	Mohd Nor b. Hassan	Jln. Raja Dewa Telipot Kota Bharu Kelantan	61	Ya	Ya	Ya	TS
257.	NM 194	Wan Halimah W. Mohamed	Kg. Tanjung Pasir Tumbuh Kota Bharu Kelantan	60	Tidak	Tidak	Tidak	

		Abdullah						
287.	NM 224	Manaf b. Ag. Hamat	Kg. Chica Lundang K/B	66	Tidak	Tidak	Ya	TS
288.	NM 225	Mek Nab bt Mat Ali	BT.3 Lundang K/Bharu	63	Ya	Ya	Ya	TS
289.	NM 226	Zainab bt Musa	BT 11/2 Jln. Pengkalan Chepa Kota Bharu	65	Tidak	Tidak	Tidak	
290.	NM 227	Siti Bidah bt Ibrahim	Cabang 4 Bayam Kota Bharu	60	Ya	Ya	Tidak	
291.	NM 228	Ibrahim Yaacob	Cabang 4 Bayam Kota Bharu	65	Ya	Ya	Ya	TS
292.	NM 229	Lijah bt Hussin	Kg. Cherang Kota Bharu Kelantan	75	Ya	Ya	Tidak	
293.	NM 230	Mohd Noor b. Yaacob	Kg. Cherang Jln. Dato Lundang Kota Bharu	67	Ya	Ya	Tidak	
294.	NM 231	Haji Wan Munah bt. W. Nawang	Kg. Berek 12 Jln. Hospital K/B	70	Tidak	Tidak	Tidak	
295.	NM 232	Siti Fatimah bt. Seman	Kg. Cherang Jln. Dato Lundang Kota Bharu	70	Tidak	Tidak	Ya(Kapsul)	Negatif
296.	NM 233	Nab bt Mohamad	Cabang 4 Cherang Kota Bharu Kelantan	65	Tidak	Tidak	Tidak	
297.	NM 234	Che Halijah Che Othman	Lot 270 Jln. Sek Keb. Lundang 15150 K/B Kel.	74	Tidak	Tidak	Tidak	
298.	NM 235	Che Zainab b. Yusof	5408D Jln. Raja Dewa Kota Bharu Kelantan	72	Ya	Ya	Tidak	
299.	NM 236	Kadir b. Sulong	Lot 1024 Lorong Pakat 1 BT 4 ¼ Jln. Salor	80	Tidak	Tidak	Tidak	
300.	NM 237	Esah bt Awang	Kg. Melawi Bachok Kel.	80	Ya	Ya	Tidak	
301.	NM 238	Che Minah bt Che Cob	Kg Pulau Pa, Amat Bt.6 Peng. Chepa Kelantan	64	Ya	Ya	Ya	TS
302.	NM 239	Abu Bakar Sulaiman	4892 A Jln. Sungai Keladi 15300 Kota Bharu	69	Tidak	Tidak	Tidak	
303.	NM 240	Rahimah bt Jaafar	Kg. Sungai Keladi Kota Bharu	65	Ya	Tidak	Ya(Kapsul)	Negatif
304.	NM 241	Omar b. Awang	Kg. Sungai Keladi Kota Bharu	68	Ya	Tidak	Ya(Kapsul)	Negatif
305.	NM 242	Rokiah bt Che Busu	4892A Jln. Sg. Keladi	66	Ya	Ya	Tidak	

			Kota Bharu					
306.	NM 243	Bidah bt Salleh	1358 Kg. Baloh Raja Kubang Kerian	60	Ya	Tidak	Ya(INS Wheatgrass tea)	Negatif
307.	NM 244	Salleh b. Seman	Kg. Baloh Raja Kubang Kerian	98	Ya	Ya	Ya	TS
308.	NM 245	Limah bt Seman	Kg. Baloh Raja Kubang Kerian	90	Ya	Ya	Tidak	
309.	NM 246	Limah bt Awang	Belakang Baloh Raja Kubang Kerian	70	Tidak	Tidak	Tidak	
310.	NM 247	Limah bt Ahmad	Depan Pasar Kubang Kerian	90	Tidak	Tidak	Ya	TS
311.	NM 248	Dollah b. Omar	Kg. Demit Kubang Kerian	92	Tidak	Tidak	Tidak	
312.	NM 249	Rogayah bt Abdullah	Kg. Chicha Kubang Kerian	60	Ya	Ya	Tidak	
313.	NM 250	Yam bt Awang	Kg. Chicha Kubang Kerian	83	Ya	Ya	Tidak	
314.	NM 251	W. Aminah W. Jusoh	Pondok Terusan Pasir Tumbuh Kota Bharu	65	Ya	Ya	Tidak	
315.	NM 252	Hajjah Hasiah bt Hj. Mat Min	Pondok Terusan Pasir Tumbuh Kota Bharu	75	Ya	Tidak	Tidak	
316.	NM 253	Mek bt Hj. Salleh	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Ya	Ya	Tidak	
317.	NM 254	Hajjah Eshah Awang Senik	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Tidak	Tidak	Tidak	
318.	NM 255	Hajjah Jah bt Ismail	Pondok Terusan Pasir Tumbuh Kota Bharu	75	Tidak	Tidak	Tidak	
319.	NM 256	Hajjah Fatimah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	79	Tidak	Tidak	Tidak	
320.	NM 257	W. Fatimah bt W. Hassan	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Tidak	Tidak	Tidak	
321.	NM 258	Hajjah Rokiah bt Awang The	Pondok Terusan Pasir Tumbuh Kota Bharu	79	Tidak	Tidak	Tidak	
322.	NM 259	Mek Som bt Mat	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Tidak	Tidak	Tidak	
323.	NM 260	Hajjah Aminah bt	Pondok Terusan Pasir	80	Tidak	Tidak	Tidak	

		Yusof	Tumbuh Kota Bharu					
324.	NM 261	Hawa bt Yaacob	Pondok Terusan Pasir Tumbuh Kota Bharu	65	Tidak	Tidak	Ya(Kapsul kuning-hijau)	Negatif
325.	NM 262	Aminah Awang Ngah	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Ya(Kapsul kuning-hijau)	Negatif
326.	NM 263	Haji Eshah bt Ahmad	Pondok Terusan Pasir Tumbuh Kota Bharu	63	Ya	Tidak	.. Ya	TS
327.	NM 264	Haji Jah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Ya	Ya	Tidak	
328.	NM 265	Rafeah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	65	Ya	Ya	Ya(Kapsul merah-kuning)	Negatif
329.	NM 266	Cik Minah bt Mahmud	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Tidak	
330.	NM 267	Halimah bt Idris	Pondok Terusan Pasir Tumbuh Kota Bharu	90	Ya	Ya	Tidak	
331.	NM 268	Kalsom Mat Ali	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Tidak	Tidak	Tidak	
332.	NM 269	Hajjah Ramlah bt Idris	Pondok Terusan Pasir Tumbuh Kota Bharu	72	Ya	Ya	Ya(Kapsul merah-hitam)	Negatif
333.	NM 270	Mat Nor b. Jusoh	Kg.Padang Durian Banggu Kota Bharu	75	Ya	Tidak	Ya(Kapsul kuning-hijau)	Negatif
334.	NM 271	Fatimah Awang Mat	Kg.Padang Durian Banggu Kota Bharu	63	Ya	Ya	Tidak	
335.	NM 272	Muhammad b.Husin	Kg. Cherang Kota Bharu	71	Ya	Ya	Tidak	
336.	NM 273	Yusof b. Awang	Kg. Cherang Jln. Yaacubiah Kota Bharu	65	Ya	Ya	Ya	TS
337.	NM 274	Azizah bt Mohd Yusof	Kg. Cherang Jln. Yaacubiah Kota Bharu	61	Tidak	Tidak	Tidak	
338.	NM 275	Mohd Yusof Md. Daud	Kg. Cherang Jln. Yaacubiah Kota Bharu	65	Tidak	Tidak	Tidak	
339.	NM 276	Bidah bt Ismail	Kg. Cherang Jln. Yaacubiah Kota Bharu	65	Ya	Ya	Tidak	
340.	NM 277	Meriem bt Ahmad	Kg. Tanjung Mas Jln. Peng. Chepa.	68	Ya	Tidak	Ya(Kapsul merah-putih)	Negatif
341.	NM 278	Fatimah Ishak	Kg. Tanjung Mas Jln.	61	Ya	Ya	Ya	TS

			Peng. Chepa					
342.	NM 279	Zainab bt Awang Hamat	Kg. Tanjung Mas Jln. Peng. Chepa	81	Tidak	Tidak	Tidak	
343.	NM 280	Mariam bt Jusoh	Kg. Tanjung Mas Jln. Peng. Chepa	65	Ya	Ya	Tidak	
344.	NM 281	Mek Som bt Mamat	Kg. Tanjung Mas Jln. Peng. Chepa	70	Tidak	Tidak	Tidak	
345.	NM 282	Limah bt Md. Ali	Kg. Tanjung Mas Jln. Peng. Chepa	65	Ya	Ya	Tidak	
346.	NM 283	Mahmood Ibrahim	5278 Jln. Sultanah Zainab Kota Bharu	82	Ya	Ya	Tidak	
347.	NM 284	Bidah Ahmad	5278 Jln. Sultanah Zainab Kota Bharu	60	Ya	Ya	Tidak	
348.	NM 285	Makelsom bt Awang	Kg. Cherang Jln. Yaakubiah Kota Bharu	62	Ya	Ya	Ya(Kapsul kuning, Kapsul perang)	Negatif Negatif
349.	NM 286	Minah bt Mat	Kg. Gelong Badak Hilir Jelawat	83	Ya	Ya	Tidak	
350.	NM 287	Minah bt Ahmad	Kg. Gelong Badak Hilir Jelawat Bachok	73	Ya	Ya	Ya(Kapsul merah-hitam)	Negatif
351.	NM 288	Lijah bt Ahmad	Kg. Gelong Badak Hilir Jelawat	78	Ya	Ya	Tidak	
352.	NM 289	Jusoh b. Ali	Kg. Gelong Badak Hilir	65	Tidak	Tidak	Ya(Mahjun)	KIV
353.	NM 290	Nik Md. Salleh b. Nik Mustafa	2313 Taman Peradang Kota Bharu	61	Ya	Tidak	Ya(Mahjun)	KIV
354.	NM 291	Mek Som bt Sulaiman	Kg. Paya Rambai Jln. Bayam Kota Bharu	70	Ya	Ya	Tidak	
355.	NM 292	Amizah bt Mamat	Kg. Tanjung Mas Jln. Peng. Chepa	61	Ya	Tidak	Ya(Kapsul merah-hitam)	Negatif
356.	NM 293	Hj. Salleh	Kg. Guchil Bayam Kota Bharu	90	Tidak	Tidak	Tidak	
357.	NM 294	Hajjah Meriam	Kg. Guchil Bayam Kota Bharu	92	Tidak	Tidak	Tidak	
358.	NM 295	Hajjah Hasmah bt Hj	Kg. Guchil Bayam Kota	66	Tidak	Tidak	Ya(Kapsul hijau-	Negatif

		Yusof	Tumbuh Kota Bharu					
324.	NM 261	Hawa bt Yaacob	Pondok Terusan Pasir Tumbuh Kota Bharu	65	Tidak	Tidak	Ya(Kapsul kuning-hijau)	Negatif
325.	NM 262	Aminah Awang Ngah	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Ya(Kapsul kuning-hijau)	Negatif
326.	NM 263	Haji Eshah bt Ahmad	Pondok Terusan Pasir Tumbuh Kota Bharu	63	Ya	Tidak	.. Ya	TS
327.	NM 264	Haji Jah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	80	Ya	Ya	Tidak	
328.	NM 265	Rafeah bt Awang	Pondok Terusan Pasir Tumbuh Kota Bharu	65	Ya	Ya	Ya(Kapsul merah- kuning)	Negatif
329.	NM 266	Cik Minah bt Mahmud	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Ya	Ya	Tidak	
330.	NM 267	Halimah bt Idris	Pondok Terusan Pasir Tumbuh Kota Bharu	90	Ya	Ya	Tidak	
331.	NM 268	Kalsom Mat Ali	Pondok Terusan Pasir Tumbuh Kota Bharu	70	Tidak	Tidak	Tidak	
332.	NM 269	Hajjah Ramlah bt Idris	Pondok Terusan Pasir Tumbuh Kota Bharu	72	Ya	Ya	Ya(Kapsul merah- hitam)	Negatif
333.	NM 270	Mat Nor b. Jusoh	Kg.Padang Durian Banggu Kota Bharu	75	Ya	Tidak	Ya(Kapsul kuning-hijau)	Negatif

		Che Cob	Bharu				putih)	
359.	RM 001	Che Wa bt Deris	Kg. Pauh Peng. Chepa 16100 Kota Bharu	70	Ya	Ya	Tidak	
360.	RM 002	Mohd Hassan Ahmad	N O. 4 Jln. Bunga Kertas Taman Kerian	60	Ya	Ya	Ya(Kapsul putih,Kapsul Gelap)	Negatif Negatif
361.	RM 003	Zakaria b. Ismail	Kg. Alor Tualang Chetok P.Mas Kel.	62	Ya	Tidak	Ya(Habattus Sauda)	Negatif
362.	RM 004	Yam bt Awang Hamat	Kg. Alor Tualang Chetok P.Mas Kel.	66	Ya	Ya	Ya(Mahjun)	KIV
363.	RM 005	Ismail b. Saad	Kg. Alor Tualang Chetok P.Mas Kel.	76	Tidak	Tidak	Ya(Mahjun)	KIV
364.	RM 006	Bunga bt Awang Hamat	Kg. Alor Tualang Chetok P. Mas Kel.	76	Tidak	Tidak	Tidak	
365.	RM 007	Che Esah bt Che Nik	Kg. Alor Tualang Chetok P.Mas Kel.	60	Tidak	Tidak	Tidak	
366.	RM 008	Jusoh b. Awang Hamat	Kg. Alor Tualang Chetok P.Mas Kel.	78	Ya	Tidak	Ya(Habattus Sauda)	Negatif
367.	RM 009	Man b. Idris	Kg. Alor Tualang Chetok P.Mas Kel.	85	Ya	Ya	Tidak	
368.	RM 010	Halijah bt Harun	Kg. Alor Tualang Chetok P.Mas Kel.	68	Ya	Ya	Tidak	
369.	RM 011	Che Soh b. Idris	Kg. Lembah Pasir Putih	79	Tidak	Tidak	Ya	TS
370.	RM 012	Che Omar b. Ismail	Kg. Lembah Pasir Putih Kelantan	65	Ya	Tidak	Ya(Kapsul Kelabu).	Positif
371.	RM 013	Salleh b. Said	Kg. Lembah 16800 Pasir Putih Kelantan	74	Tidak	Tidak	Tidak	
372.	RM 014	Timah b. Senik	Kg. Lembah 16800 Pasir Putih Kelantan	76	Tidak	Tidak	Tidak	
373.	RM 015	Mohamed b. Said	Kg. Lembah 16800 Pasir Putih Kelantan	70	Ya	Ya	Tidak	
374.	RM 016	Hasmah bt Awang	Kg. Lembah 16800 Pasir Putih Kelantan	60	Ya	Ya	Ya(Kapsul merah- hitam)	Negatif
375.	RM 017	Yusoff b. Ahmad	Kg. Gendang Nyior	70	Tidak	Tidak	Tidak	

			17500 Tanah Merah Kel.					
376.	NM 296	Hassan b. Talib	Kg. Cherang Jln. Yaacubiah	90	Ya	Ya	Tidak	
377.	NM 297	Mek Yam bt Noh	Kg. Cherang Jln. Yaacubiah	62	Ya	Ya	Tidak	
378	NM 298	Yusof b. Dollah	Kg. Dusun Raja Kota Bharu	80	Ya	Ya	Tidak	

		Che Cob	Bharu				putih)	
359.	RM 001	Che Wa bt Deris	Kg. Pauh Peng. Chepa 16100 Kota Bharu	70	Ya	Ya	Tidak	
360.	RM 002	Mohd Hassan Ahmad	N O. 4 Jln. Bunga Kertas Taman Kerian	60	Ya	Ya	Ya(Kapsul putih,Kapsul Gelap)	Negatif Negatif
361.	RM 003	Zakaria b. Ismail	Kg. Alor Tualang Chetok P.Mas Kel.	62	Ya	Tidak	Ya(Habattus Sauda)	Negatif
362.	RM 004	Yam bt Awang Hamat	Kg. Alor Tualang Chetok P.Mas Kel.	66	Ya	Ya	Ya(Mahjun)	KIV
363.	RM 005	Ismail b. Saad	Kg. Alor Tualang Chetok P.Mas Kel.	76	Tidak	Tidak	Ya(Mahjun)	KIV
364.	RM 006	Bunga bt Awang Hamat	Kg. Alor Tualang Chetok P. Mas Kel.	76	Tidak	Tidak	Tidak	
365.	RM 007	Che Esah bt Che Nik	Kg. Alor Tualang Chetok P.Mas Kel.	60	Tidak	Tidak	Tidak	
366.	RM 008	Jusoh b. Awang Hamat	Kg. Alor Tualang Chetok P.Mas Kel.	78	Ya	Tidak	Ya(Habattus Sauda)	Negatif
367.	RM 009	Man b. Idris	Kg. Alor Tualang Chetok P.Mas Kel.	85	Ya	Ya	Tidak	

BIL	NO.SIRI	NAMA	DARIPADA	UMUR	MENGAMBIL UBATAN dlm Masa 2 minggu	PENGAMAL UBAT MODEN	PENGAMAL UBAT TRADITIONAL	KANDUNGAN STEROID
1.	A 001	Mek Jah bt Yaacob	Kg. Tebing Pengkalan Kubur Kelantan.	64	Ya	Tidak	Ya (Habbatul as- sauda)	KIV
2.	A 002	Mek bt Abdullah	75 Kg. Pengkalan Kubur Kelantan.	77	Ya	Ya	Tidak	-
3.	A 003	Dollah bin Che Ahmad	Kg Pengkalan Kubur, Kelantan	73	Ya	Ya	Ya (akar kayu)	TS
4.	A 004	Yaacob b. Yusof	75, Kg Pengkalan Kubur, Kelantan	78	Ya	Ya	Tidak	-
5.	A 005	Haminah bt Husein	Kg. Pengkalan Kubur, Kelantan	60	Ya	Ya	Ya	TS
6.	A 006	Mamat	Kg. Pengkalan Kubur, Kelantan	83	Ya	Ya	Ya	TS
7.	A 007	Che Som bt Salleh	75, Kg Pengkalan Kubur, Kelantan	61	Ya	Ya	Tidak	-
8.	A 008	Wan Yah bt Wan Isa	Kg. Pengkalan Kubur, Kelantan	63	Ya	Ya	Ya	TS
9.	A 009	Che Som bt Che Mat	Kg. Pengkalan Kubur, Kelantan	70	Ya	Ya	Ya	TS
10.	A 010	Abdullah b. Senik	Kg. Pengkalan Kubur, Kelantan	69	Ya	Ya	Tidak	-
11.	A 011	Sepiah bt Ismail	Kg. Pengkalan Kubur, Kelantan	83	Ya	Ya	Tidak	-
12.	A 012	Nik Fatimah bt Che Cob	Kg. Pengkalan Kubur, Kelantan	69	Tidak	Tidak	Tidak	-
13.	A 013	Nik Bidah Nik Lah	Kg Pengkalan Kubur, Kelantan	71	Ya	Ya	Tidak	-
14.	A 014	Halimah bt Awang Lah	104C, Kg Ketil, Pengkalan Kubur, Kelantan	69	Ya	Ya	Tidak	-
15.	A 015	Awang bin Yusof	125, Kg Pengkalan Kubur,	65	Tidak	Tidak	Tidak	-

			Kelantan					
16.	A 016	Wan Minah bt Wan Omar	157, Kg Pengkalan Kubur, Kelantan	80	Ya	Ya	Ya	TS
17.	A 017	Mek Nab bt Mat Merah	Kg Pengkalan Kubur, Kelantan	70	Ya	Tidak	Ya	TS
18.	A 018	Hussain bin Ibrahim	Kg Pengkalan Kubur, Kelantan	77	Tidak	Tidak	Ya	TS
19.	A 019	Ibrahim bin Abas	TT 281, Kg Pantai Geting, Pengkalan Kubur, Kelantan	66	Ya	Ya	Tidak	-
20.	A 020	Maselah bt Mat	Kg Geting, Tumpat, Kelantan	64	Tidak	Tidak	Tidak	-
21.	A 021	Hj. Dollah b. Jusoh	Kg pantai Getting Tengah, Tumpat, Kelantan	83	Ya	Ya	Tidak	-
22.	A 022	Esah bt Seman	Kg Getting, Pengkalan Kubur, Kelantan	70	Ya	Tidak	Ya	TS
23.	A 023	Mamat b. Mahat	L. No 587 Chabang Tiga Geting Tumpat Kelantan	73	Ya	Ya	Tidak	
24.	A 024	Tejah bt Mat Amin	L. No 122 Kg. Geting Tumpat Kelantan	73	Ya	Ya	Tidak	
25.	A 025	Lijah bt Ibrahim	L. No. 11 Kg. Pengkalan Kubur Kelantan	66	Ya	Ya	Ya	TS
26.	A 026	Che Esah bt Khamis	L. No. 450 Kg. Geting Tumpat Kelantan	78	Ya	Ya	Tidak	
27.	A 027	Mamat b. Yusof	Kg. Getting Pengkalan Kubur	67	Ya	Ya	Tidak	
28.	A 028	Hussin b. Mat Yasin	Kg. Banjir Geting Tumpat	78	Ya	Tidak	Ya	TS
29.	A 029	Fatimah bt Mat Ail	Kg. Banjir, Getting Tumpat	73	Ya	Tidak	Ya	TS
30.	A 030	Mek Yah bt Daud	Depan Sekolah Kg. Ketil Tumpat Kelantan	73	Ya	Ya	Tidak	
31.	A 031	Mek Yah	Kg. Ketil Tumpat Kelantan	70	Ya	Ya	Tidak	
32.	A 032	Mek Jah bt Deraman	118 Kg Geting Tumpat Kel.	62	Ya	Tidak	Ya(Kapsul)	Positif
33.	A 033	Mohamad b. Abdullah	Kg. Tebing Tumpat Kelantan	67	Ya	Tidak	Ya	TS
34.	A 034	Hajjah Zainab bt	Lot 1 Kg. Tebing Pengkalan	68	Ya	Ya	Tidak	

			Kelantan					
16.	A 016	Wan Minah bt Wan Omar	157, Kg Pengkalan Kubur, Kelantan	80	Ya	Ya	Ya	TS
17.	A 017	Mek Nab bt Mat Merah	Kg Pengkalan Kubur, Kelantan	70	Ya	Tidak	Ya	TS
18.	A 018	Hussain bin Ibrahim	Kg Pengkalan Kubur, Kelantan	77	Tidak	Tidak	Ya	TS
19.	A 019	Ibrahim bin Abas	TT 281, Kg Pantai Geting, Pengkalan Kubur, Kelantan	66	Ya	Ya	Tidak	-
20.	A 020	Maselah bt Mat	Kg Geting, Tumpat, Kelantan	64	Tidak	Tidak	Tidak	-
21.	A 021	Hj. Dollah b. Jusoh	Kg pantai Geting Tengah, Tumpat, Kelantan	83	Ya	Ya	Tidak	-
22.	A 022	Esah bt Seman	Kg Getting, Pengkalan Kubur, Kelantan	70	Ya	Tidak	Ya	TS
23.	A 023	Mamat b. Mahat	L. No 587 Chabang Tiga Geting Tumpat Kelantan	73	Ya	Ya	Tidak	
24.	A 024	Tejah bt Mat Amin	L. No 122 Kg. Geting Tumpat Kelantan	73	Ya	Ya	Tidak	
25.	A 025	Lijah bt Ibrahim	L. No. 11 Kg. Pengkalan Kubur Kelantan	66	Ya	Ya	Ya	TS
26.	A 026	Che Esah bt Khamis	L. No. 450 Kg. Geting Tumpat Kelantan	78	Ya	Ya	Tidak	
27.	A 027	Mamat b. Yusof	Kg. Getting Pengkalan Kubur	67	Ya	Ya	Tidak	
28.	A 028	Hussin b. Mat Yasin	Kg. Banjir Geting Tumpat	78	Ya	Tidak	Ya	TS
29.	A 029	Fatimah bt Mat Ail	Kg. Banjir, Getting Tumpat	73	Ya	Tidak	Ya	TS
30.	A 030	Mek Yah bt Daud	Depan Sekolah Kg. Ketil Tumpat Kelantan	73	Ya	Ya	Tidak	
31.	A 031	Mek Yah	Kg. Ketil Tumpat Kelantan	70	Ya	Ya	Tidak	
32.	A 032	Mek Jah bt Deraman	118 Kg Geting Tumpat Kel.	62	Ya	Tidak	Ya(Kapsul)	Positif
33.	A 033	Mohamad b. Abdullah	Kg. Tebing Tumpat Kelantan	67	Ya	Tidak	Ya	TS
34.	A 034	Hajjah Zainab bt	Lot 1 Kg. Tebing Pengkalan	68	Ya	Ya	Tidak	

BIL	NO.SIRI	NAMA	DARIPADA	UMUR	MENGAMBIL UBATAN dlm Masa 2 minggu	PENGAMAL UBAT MODEN	PENGAMAL UBAT TRADITIONAL	KANDUNGAN STEROID
1.	A 001	Mek Jah bt Yaacob	Kg. Tebing Pengkalan Kubur Kelantan.	64	Ya	Tidak	Ya (Habbatul as- sauda)	KIV
2.	A 002	Mek bt Abdullah	75 Kg. Pengkalan Kubur Kelantan.	77	Ya	Ya	Tidak	-
3.	A 003	Dollah bin Che Ahmad	Kg Pengkalan Kubur, Kelantan	73	Ya	Ya	Ya (akar kayu)	TS
4.	A 004	Yaacob b. Yusof	75, Kg Pengkalan Kubur, Kelantan	78	Ya	Ya	Tidak	-
5.	A 005	Haminah bt Husein	Kg. Pengkalan Kubur, Kelantan	60	Ya	Ya	Ya	TS
6.	A 006	Mamat	Kg. Pengkalan Kubur, Kelantan	83	Ya	Ya	Ya	TS
7.	A 007	Che Som bt Salleh	75, Kg Pengkalan Kubur, Kelantan	61	Ya	Ya	Tidak	-
8.	A 008	Wan Yah bt Wan Isa	Kg. Pengkalan Kubur, Kelantan	63	Ya	Ya	Ya	TS
9.	A 009	Che Som bt Che Mat	Kg. Pengkalan Kubur, Kelantan	70	Ya	Ya	Ya	TS

		Awang	Kubur Tumpat					
35.	A 035	Mek Nab bt Ismail	981 Kg. Kok Pasir Tumpat	66	Tidak	Tidak	Tidak	
36.	A 036	Ibrahim Ismail	Lot 254 Kg. Geting Pengkalan Kubur	65	Ya	Tidak	Ya	TS
37.	A 037	Hj. Daud b. Abas	Lot no 118 Kg. Geting Tumpat Kelantan	65	Ya	Ya	Tidak	
38.	A 038	Jaafar b. Bakar	437 Kg. Geting Tumpat	73	Ya	Ya	Ya(Akar Kayu)	TS
39.	A 039	Nik Lah N.Ngah	Kg. Raja Pengkalan Kubur	70	Ya	Ya	Tidak	
40.	A 040	Mek Nab bt Omar	L.No 587 Chabang Tiga Geting Tumpat Kelantan	64	Ya	Ya	Tidak	
41.	A 041	Zainab bt Sulong	Kg. Masjid Geting Tumpat Kelantan	73	Ya	Ya	Tidak	
42.	A 042	Abd. Latif b. Daud	Lot 17, Kg Ketil, Pengkalan Kubur, Kelantan	61	Ya	Ya	Ya (Akar Kayu)	TS
43.	A 043	Che Meriam bt Che Amat	Kg Pengkalan Kubur, Tumpat, Kelantan	64	Tidak	Tidak	Ya	TS
44.	A 044	Fatimah bt Mat Ali	Kg Pengkalan Kubur, Tumpat, Kelantan	61	Ya	Tidak	Ya (Kapsul merah / hitam)	Negatif
45.	A 045	Abdul Rahman b. Omar	Kg Ketil, Pengkalan Kubur, Kelantan	86	Ya	Tidak	Ya (kapsul)	Positif
46.	A 046	Ramli b. Abd Kadir	Lot 13, Kg Pengkalan Kubur, Kelantan	64	Ya	Ya	Ya (Kapsul hijau, merah)	Negatif Negatif
47.	A 047	Kelthom bt Idris	No. 41, Kg Getting, Tumpat, Kelantan	78	Tidak	Tidak	Tidak	-
48.	A 048	Loman b. Musa	Lot 263, Kg Tebing, Pengkalan Kubur, Kelantan	61	Ya	Ya	Ya (Kapsul merah / hitam)	Negatif
49.	A 049	Md. Nawli b. Yaakob	Kg Tebing, Pengkalan Kubur, Kelantan	61	Tidak	Tidak	Tidak	-
50.	A 050	Abdullah b. Said	Kg Tebing, Pengkalan Kubur, Kelantan	72	Tidak	Tidak	Tidak	-
51.	A 051	Tuan Junoh b Tuan Soh	Kg Telaga Lanas, pengkalan Kubur, Kelantan	64	Ya	Tidak	Ya	TS

52.	A 052	Che Minah Che Omar	Lot 60 Kg Tebing, Pengkalan Kubur, Kelantan	64	Tidak	Tidak	Tidak	-
53.	A 053	Munah bt Mamat	Lot 80, Kg Getting, Pengkalan Kubur, Kelantan	77	Ya	Tidak	Ya	TS
54.	A 054	Mek Jah bt Abd Rahman	Depan Sek. Kg Ketil, Tumpat, Kelantan	70	Ya	Ya	Ya	TS
55.	A 055	Minah bt Abdullah	Kg Tebing, Tumpat, Kelantan	66	Tidak	Tidak	Tidak	-
56.	A 056	Che Amoh bin Senik	Kg Tebing,, Tumpat, Kelantan	75	Tidak	Tidak	Tidak	-
57.	A 057	Munah bt Lebar	Kg Tebing, Pengkalan Kubur, Kelantan	66	Ya	Ya	Ya (Kapsul oren)	Negatif
58.	A 058	Daud bin Othman	Lot 50, Kg Geting, Tumpat, Kelantan	77	Ya	Ya	Ya (Jamu pil sendi)	Negatif
59.	A 059	Mek Limah bt Yaakob	Lot 50, Kg Geting, Tumpat, Kelantan	68	Tidak	Ya	Ya (Kapsul merah / hitam)	Negatif
60.	A 060	Mek Yam bt Ismail	Kg Geting, Pengkalan Kubur, Kelantan	70	Ya	Tidak	Ya	TS
61.	A 061	Seman b. Ali	Kg Geting, Pengkalan Kubur, Kelantan	90	Tidak	Tidak	Ya	TS
62.	A 062	Meriam bt Yusof	Pondok Hj. Ahmad, Kg Getting, Tumpat, Kelantan	81	Ya	Ya	Tidak	-
63.	A 063	Salamah bt Omar	Kg Geting, Tumpat, Kelantan	70	Ya	Tidak	Ya	TS
64.	A 064	Yusof b. Mamat	Kg Pondok Hj, Husin, Getting, Tumpat	78	Tidak	Tidak	Tidak	-
65.	A 065	Che Yah bt Senik	Kg Pondok Hj. Husin, Getting, Tumpat	65	Ya	Ya	Tidak	-
66.	A 066	Kalthom bt Mohamad	Lot 80 Kg.Tg. Pengkalan Kubur Kelantan	69	Ya	Ya	Ya	TS
67.	A 067	Yasin b.Embong	Kg.Tg. Pengkalan Kubur	79	Tidak	Tidak	Ya	TS
68.	A 068	Eshah bt Pa'Su	Kg. Kebun Pengkalan Kubur	64	Ya	Ya	Ya	TS
69.	A 069	Abdul Rahman b. Mohamad	Lot 324 Kg. Baru Kok Pauh Pengkalan Kubur	75	Ya	Ya	Tidak	

52.	A 052	Che Minah Che Omar	Lot 60 Kg Tebing, Pengkalan Kubur, Kelantan	64	Tidak	Tidak	Tidak	-
53.	A 053	Munah bt Mamat	Lot 80, Kg Getting, Pengkalan Kubur, Kelantan	77	Ya	Tidak	Ya	TS
54.	A 054	Mek Jah bt Abd Rahman	Depan Sek. Kg Ketil, Tumpat, Kelantan	70	Ya	Ya	Ya	TS
55.	A 055	Minah bt Abdullah	Kg Tebing, Tumpat, Kelantan	66	Tidak	Tidak	Tidak	-
56.	A 056	Che Amoh bin Senik	Kg Tebing,, Tumpat, Kelantan	75	Tidak	Tidak	Tidak	-
57.	A 057	Munah bt Lebar	Kg Tebing, Pengkalan Kubur, Kelantan	66	Ya	Ya	Ya (Kapsul oren)	Negatif
58.	A 058	Daud bin Othman	Lot 50, Kg Geting, Tumpat, Kelantan	77	Ya	Ya	Ya (Jamu pil sendi)	Negatif
59.	A 059	Mek Limah bt Yaakob	Lot 50, Kg Geting, Tumpat, Kelantan	68	Tidak	Ya	Ya (Kapsul merah / hitam)	Negatif
60.	A 060	Mek Yam bt Ismail	Kg Geting, Pengkalan Kubur, Kelantan	70	Ya	Tidak	Ya	TS
61.	A 061	Seman b. Ali	Kg Geting, Pengkalan Kubur, Kelantan	90	Tidak	Tidak	Ya	TS
62.	A 062	Meriam bt Yusof	Pondok Hj. Ahmad, Kg Getting, Tumpat, Kelantan	81	Ya	Ya	Tidak	-
63.	A 063	Salamah bt Omar	Kg Geting, Tumpat, Kelantan	70	Ya	Tidak	Ya	TS
64.	A 064	Yusof b. Mamat	Kg Pondok Hj, Husin, Getting, Tumpat	78	Tidak	Tidak	Tidak	-
65.	A 065	Che Yah bt Senik	Kg Pondok Hj. Husin, Getting, Tumpat	65	Ya	Ya	Tidak	-
66.	A 066	Kalthom bt Mohamad	Lot 80 Kg.Tg. Pengkalan Kubur Kelantan	69	Ya	Ya	Ya	TS
67.	A 067	Yasin b.Embong	Kg.Tg. Pengkalan Kubur	79	Tidak	Tidak	Ya	TS
68.	A 068	Eshah bt Pa'Su	Kg. Kebun Pengkalan Kubur	64	Ya	Ya	Ya	TS
69.	A 069	Abdul Rahman b. Mohamad	Lot 324 Kg. Baru Kok Pauh Pengkalan Kubur	75	Ya	Ya	Tidak	

		Awang	Kubur Tumpat					
35.	A 035	Mek Nab bt Ismail	981 Kg. Kok Pasir Tumpat	66	Tidak	Tidak	Tidak	
36.	A 036	Ibrahim Ismail	Lot 254 Kg. Geting Pengkalan Kubur	65	Ya	Tidak	Ya	TS
37.	A 037	Hj. Daud b. Abas	Lot no 118 Kg. Geting Tumpat Kelantan	65	Ya	Ya	Tidak	
38.	A 038	Jaafar b. Bakar	437 Kg. Geting Tumpat	73	Ya	Ya	Ya(Akar Kayu)	TS
39.	A 039	Nik Lah N.Ngah	Kg. Raja Pengkalan Kubur	70	Ya	Ya	Tidak	
40.	A 040	Mek Nab bt Omar	L.No 587 Chabang Tiga Geting Tumpat Kelantan	64	Ya	Ya	Tidak	
41.	A 041	Zainab bt Sulong	Kg. Masjid Geting Tumpat Kelantan	73	Ya	Ya	Tidak	
42.	A 042	Abd. Latif b. Daud	Lot 17, Kg Ketil, Pengkalan Kubur, Kelantan	61	Ya	Ya	Ya (Akar Kayu)	TS
43.	A 043	Che Meriam bt Che Amat	Kg Pengkalan Kubur, Tumpat, Kelantan	64	Tidak	Tidak	Ya	TS
44.	A 044	Fatimah bt Mat Ali	Kg Pengkalan Kubur, Tumpat, Kelantan	61	Ya	Tidak	Ya (Kapsul merah / hitam)	Negatif
45.	A 045	Abdul Rahman b. Mohamad	Lot 324 Kg. Baru Kok Pauh Pengkalan Kubur	75	Ya	Ya	Tidak	

70.	A 070	Ismail b. Che Lah	Kg. Tanjung Pengkalan Kubur	80	Ya	Ya	Ya	TS
71.	A 071	Simes bt Yaacob	Kg. Kebun Pengkalan Kubur	67	Tidak	Tidak	Tidak	
72.	A 072	Harun b. Abd. Rahman	Belakang Kompleks Imegresen Kg. Tanjung Peng. Kubur	76	Ya	Ya	Tidak	
73.	A 073	Yunus	Kg. Tanjung Pengkalan Kubur	79	Ya	Ya	Tidak	
74.	A 074	Ab. Razak b. Muda	Kg. Tanjung Pengkalan Kubur	75	Ya	Ya	Tidak	
75.	A 075	Esah bt Mamat	Lot 88 Kg. Ketil Tumpat	61	Tidak	Tidak	Ya	TS
76.	A 076	Minah bt Daud	Kg. Serkong Tumpat	62	Ya	Tidak	Ya(Mahjun)	Positif
77.	A 077	Mek Som bt Dollah	Kg. Serkong Pengkalan Kubur	64	Ya	Tidak	Ya	TS
78.	A 078	Nik Soh bt Nik Him	Kg. Serkong Pengkalan kubur	61	Ya	Ya	Ya	TS
79.	A 079	Mat Salleh b. Mat	Kg. Naga Ibu Chabang Empat Tumpat	78	Ya	Ya	Ya(Akar Kayu)	TS
80.	A 080	Che Som bt Chek	Kg. Kajang Sebidang Pengkalan Kubur	73	Ya	Tidak	Ya	TS
81.	A 081	Noh bt Ngah	2605 Kg. Kajang Sebidang Tumpat Kelantan	78	Ya	Ya	Tidak	
82.	A 082	Hassan b. Mamat	No. 2652 Kg. Kajang Sebidang Pengkalan Kubur	80	Ya	Ya	Ya	TS
83.	A 083	Mamat b. Awang	No.31 Kg. Kajang Sebidang Pengkalan Kubur	75	Ya	Ya	Ya	TS
84.	A 084	Jeriah bt Leman	No. 2394 Kg. Kijang Sebidang Pengkalan Kubur	71	Ya	Ya	Tidak	
85.	A 085	Mohamed b. Yusoff	Kg. Kubang Sawa Tumpat Kelantan	63	Ya	Ya	Tidak	
86.	A 086	Mat Sin b. Sulong	Kg. Kubang Sawa Tumpat	83	Tidak	Tidak	Tidak	
87.	A 087	Zakaria @ Ya bin Mohamad	Kg. Kubang Sawa Tumpat	73	Tidak	Tidak	Tidak	

88.	A 088	Che Long b. Isa	Kg. Kubang Sawa Tumpat	83	Ya	Ya	Tidak	
89.	A 089	Awang b. Pa'Da	No. 1210 Kg. Kubang Sawa Tumpat	71	Ya	Ya	Tidak	
90.	A 090	Siti Esah bt Ibrahim	Kg. Kubang Sawa Tumpat Kelantan	71	Ya	Ya	Tidak	
91.	A 091	Mek Som bt Ahmad	Kg. Kubang Sawa Tumpat	64	Tidak	Tidak	Ya	TS
92.	A 092	Yusof b. Awang	Kg. Kubang Sawa Tumpat	65	Ya	Ya	Ya	TS
93.	A 093	Mas bt Saman	Kg. Kubang Sawa Tumpat	82	Tidak	Tidak	Tidak	
94.	A 094	Limah bt Drahman	Kg. Kajang Sebidang Tumpat	91	Tidak	Tidak	Tidak	
95.	A 095	Fatimah bt Ahmad	Kg. Kajang Sebidang Tumpat	66	Ya	Ya	Tidak	
96.	A 096	Yah bt Awang Ngah	Kg. Kajang Sebidang Tumpat	67	Ya	Ya	Tidak	
97.	A 097	Mat Daud b. Kadir	Kg. Kajang Sebidang Tumpat	83	Ya	Ya	Tidak	
98.	A 098	Dollah b. Sulong	Kg. Kubang Sawa Tumpat	83	Tidak	Tidak	Tidak	
99.	A 099	Hussin b. Jusoh	Kampung Kubang Sawa Tumpat	84	Tidak	Tidak	Ya	TS
100.	A 100	Aman b. Awang Ngah	Kg. Kajang Sebidang Tumpat Kelantan	62	Ya	Ya	Tidak	
101.	A 101	Embun	Kg. Kajang Sebidang Tumpat	71	Ya	Tidak	Ya	TS
102.	A 102	Ismail b. Umat	Lorong 1165 Kg. Kajang Sebidang Tumpat	74	Ya	Ya	Ya	TS
103.	A 103	Jah bt Derahman	Kg. Kajang Sebidang Tumpat	61	Ya	Tidak	Ya	TS
104.	A 104	Mek Jah bt Man	Kg. Kajang Sebidang Tumpat	60	Tidak	Tidak	Ya	TS
105.	A 105	Mit Tok bt Senak	Kg. Kajang Sebidang Tumpat	73	Ya	Ya	Tidak	
106.	A 106	Limah bt Muda	No. 31 Kampung Kajang Sebidang Tumpat	75	Tidak	Tidak	Ya	TS
107.	A 107	Berahim b. Saamah	Kampung Kajang Sebidang Tumpat	73	Tidak	Tidak	Tidak	
108.	A 108	Mek Teh bt Abdullah	Kg. Kajang Sebidang Tumpat	77	Ya	Ya	Tidak	
109.	A 109	Minah bt Saamah	Kampung Kubang Sawa Tumpat	73	Ya	Ya	Tidak	
110.	A 110	Ali b. Mat	Kg. Kajang Sebidang Tumpat	68	Tidak	Tidak	Tidak	

111.	A 111	Mat Yunus b. Mamat	Kg. Kajang Sebidang Tumpat	63	Tidak	Tidak	Tidak	
112.	A 112	Minah bt Senik	Kg. Kajang Sebidang Tumpat	73	Ya	Ya	Tidak	
113.	A 113	Mas bt Mat	Kg. Bechah Palas Bunut Susu Pasir Mas Kelantan	83	Ya	Ya	Tidak	
114.	A 114	Hussain b. Mat	90 Kg. Kajang Sebidang Tumpat	75	Ya	Ya	Tidak	
115.	A 115	Mek Ngah bt Ismail	90 Kg. Kajang Sebidang Tumpat	73	Tidak	Tidak	Ya	TS
116.	A 116	Lok b. Pit	Kg. Naga Ibu Tumpat Kelantan	78	Ya	Ya	Tidak	
117.	A 117	Mat Ail b. Pit	Kg. Naga Ibu Chabang Empat Tumpat Kelantan	62	Ya	Ya	Ya	TS
118.	A 118	Limah bt Ismail	1153 Kg. Kajang Sebidang Tumpat	71	Tidak	Tidak	Ya	TS
119.	A 119	Hamad b. Jusoh	Kg. Naga Ibu Tumpat Kelantan	78	Tidak	Tidak	Ya	TS
120.	A 120	Fatimah bt The	Kg. Naga Ibu Chabang Empat Tumpat	63	Tidak	Tidak	Ya	TS
121.	A 121	Bidah bt Awang	Kg. Naga Ibu Chabang Empat Tumpat	73	Ya	Ya	Ya	TS
122.	A 122	Dahat b. Ali	Kg. Naga Ibu Chabang Empat Tumpat	64	Tidak	Tidak	Ya	TS
123.	A 123	Nik Teh bt N. Mat	Kg. Naga Ibu Chabang Empat Tumpat	62	Ya	Ya	Ya(Akar Kayu)	TS
124.	A 124	Limah bt Ali	Kg. Naga Ibu Chabang Empat Tumpat	75	Tidak	Tidak	Ya	TS
125.	A 125	Mat Jusoh b. Ngah	Kg. Kubang Sawa Kuala Jambu	62	Ya	Ya	Ya(Mahjun)	KIV
126.	A 126	Besar b. Yusoff	Kg. Kubang Sawa Tumpat	62	Ya	Ya	Ya(Kapsul Merah, Kapsul Perang)	Positif Positif
127.	A 127	Mek bt Awang	Kg. Kajang Sebidang	71	Tidak	Tidak	Ya(Kapsul	Negatif

			Chabang Empat Tumpat				kuning, Kapsul kuning- merah)	Negatif
128.	A 128	Mit bt Mamat	Kg. Kajang Sebidang Cabang Empat Tumpat	71	Ya	Ya	Ya(Akar Kayu)	TS
129.	A 129	Bidah bt Hamat	Kg. Kajang Sebidang Tumpat	62	Ya	Ya	Ya(Akar Kayu)	Negatif
130.	A 130	Muda b. Ismail	No. 31 Kg.Kajang Sebidang Tumpat	63	Ya	Tidak	Ya(Kapsul merah, Kapsul biru)	Positif Positif
131.	A 131	Bidah bt Pa'Su	132 Kg. Telaga Lanas	77	Ya	Ya	Ya	TS
132.	A 132	Che Nga bt Che Mat	Lot 113 Kg. Telaga Lanas	73	Ya	Ya	Tidak	
133.	A 133	Abdullah b. Deraman	143 Kg. Telaga Lanas	64	Ya	Ya	Tidak	
134.	A 134	Lijah bt Yahya	Kg. Tengah Lanas	80	Ya	Ya	Tidak	
135.	A 135	Che Esah bt Che Soh	Kg. Telaga Lanas Pengkalan Kubur	70	Tidak	Tidak	Tidak	
136.	A 136	Che Seman b. Jusoff	Kg. Telaga Lanas Pengkalan Kubur Kelantan	83	Tidak	Tidak	Tidak	
137.	A 137	Che Limah bt Che Had	Kampung Telaga Lanas Pengkalan Kubur	65	Tidak	Tidak	Ya	TS
138.	A 138	Meriam bt Mohamad	Kg. Telaga Lanas Pengkalan Kubur	62	Ya	Ya	Tidak	
139.	A 139	Mek Thom bt Taib	Kg. Telaga Lanas Pengkalan Kubur	65	Ya	Tidak	Ya	TS
140.	A 140	Wan Yah bt Wan Ismail	Kampung Telaga Lanas Pengkalan Kubur	85	Ya	Tidak	Ya	TS
141.	A 141	Wan Minah bt Wan Abd. Kadir	Kg. Telaga Lanas Pengkalan Kubur	72	Ya	Ya	Tidak	
142.	A 142	Wan Hassan b. Wan Yusof	Kg. Telaga Lanas Pengkalan Kubur	74	Tidak	Tidak	Ya	TS
143.	A 143	Yunus b. Pit	Kg. Telaga Lanas Pengkalan Kubur	72	Ya	Tidak	Ya	TS
144.	A 144	Fatimah bt Ibrahim	Kg. Telaga Lanas Pengkalan	70	Ya	Ya	Tidak	

			Kubur					
145.	A 145	Bunga bt Mat Ali	139 Kg. Telaga Lanas	65	Tidak	Tidak	Tidak	
146.	A 146	Sepiah bt Omar	143 Kg. Telag Lanas	61	Tidak	Tidak	Tidak	
147.	A 147	Jaafar Yusoff	Kg. Telaga Lanas Pengkalan Kubur	64	Tidak	Tidak	Tidak	
148.	A 148	Mamat b. Ulah	No.57 Kg. Telaga Lanas	76	Ya	Ya	Tidak	
149.	A 149	Mek Nga bt Ngal	Kg. Telaga Lanas Wakaf Baru	78	Ya	Ya	Tidak	
150.	A 150	Hajjah Setawa	Kg. Telaga Lanas Pengkalan Kubur	72	Ya	Ya	Tidak	
151.	A 151	Seman b. Hamid	Kg. Telaga Lanas Pengkalan Kubur	61	Ya	Ya	Ya	TS
152.	A 152	Esah Salleh	189 Kg. Telaga Lanas Pengkalan Kubur	60	Ya	Ya	Ya	TS
153.	A 153	Mohd Amin b. Ahmad	189 Kg. Telaga Lanas Pengkalan Kubur	61	Tidak	Tidak	Ya	TS
154.	A 154	Ismail b. Yaakob	48 Kg. Telaga Lanas Pengkalan Kubur	70	Ya	Ya	Tidak	
155.	A 155	Wan Bunga bt. Wan Ahmad	32 Kg. Telaga Lanas Pengkalan Kubur	80	Tidak	Tidak	Ya	TS
156.	A 156	Esah bt Jusoh	Kg. Telaga Lanas Pengkalan Kubur	60	Ya	Ya	Tidak	
157.	A 157	Cik Embong b. Osman	Kg. Tanjung Dap Tumpat Kelantan	84	Ya	Ya	Tidak	
158.	A 158	Hassan b. Daud	46 Kg. Telaga Lanas Pengkalan Kubur	61	Ya	Ya	Tidak	
159.	A 159	K althom Yusof	41 Kg. Telaga Lanas Pengkalan Kubur	60	Ya	Ya	Tidak	
160.	A 160	Hasnah bt Yasin	Lot 973 Kg. Telaga Lanas Tumpat	60	Ya	Tidak	Ya(Kapsul Hijau,Kapsul Perang)	KIV
161.	A 161	Nik Yah bt Abdullah	Lot 394 Kg. Telaga Lanas	61	Ya	Ya	Ya(Serbuk)	Negatif

			Pengkalan Kubur					
162.	A 162	Fatimah bt Mamat	Lot 68 Kg. Geting Tumpat	63	Ya	Ya	Ya	TS
163.	A 163	Che Zaharah Hj. Daud	Kg. Telaga Lanas Tumpat	65	Ya	Ya	Tidak	
164.	A 164	Minah bt Said	389 Pondok Haji Daud Kg. Geting Tumpat	80	Ya	Tidak	Ya(Mahjun)	KIV
165.	A 165	Mek Wook bt Che Mat	Pondok Haji Daud Kg. Geting	73	Ya	Tidak	Ya	TS
166.	A 166	Hajjah Wok bt Hj. Che Mat	Pondok Hj. Daud Kg. Geting	73	Ya	Tidak	Ya	TS
167.	A 167	Tuan Din b. Tuan Senik	Kg. Raja	69	Ya	Tidak	Ya	TS
168.	A 168	Esah bt Mat Deris	Kg. Pantai Geting Tumpat	83	Ya	Ya	Ya	TS
169.	A 169	Mamat b. Ismail	Kg. Pantai Geting	68	Tidak	Tidak	Ya	TS
170.	A 170	Salleh b. Abu Bakar	Kg. Pantai Geting	91	Ya	Ya	Ya	TS
171.	A 171	Tg. Semah bt Tg. Ligor	Kg. Raja	67	Ya	Ya	Ya(Akar Kayu)	TS
172.	A 172	Hamid b. Mohammad	Belakang Klinik Bidan Kg. Geting Pengkalan Kubur	60	Ya	Tidak	Ya	TS
173.	A 173	Derahman b. Seman	Lot 172 Pondok Hj. Daud Kg. Geting	66	Tidak	Tidak	Tidak	
174.	A 174	Mek Som bt Che Deris	Kg. Geting Pengkalan Kubur	70	Ya	Ya	Tidak	
175.	A 175	Mek Jah bt Salleh	Belakang Klinik Desa Kg. Geting Tumpat	68	Tidak	Tidak	Ya	TS
176.	A 176	Pipah bt Dollah	Kg. Geting Pengkalan Kubur	62	Tidak	Tidak	Ya	TS
177.	A 177	Che Mariam bt Che Ismail	Kg. Geting Tumpat	78	Ya	Ya	Tidak	
178.	A 178	Zainab bt Said	Kampung Tebing Pengkalan Kubur	81	Tidak	Tidak	Ya	TS
179.	A 179	Fatimah bt Husin	Kampung Geting Pengkalan Kubur	76	Tidak	Tidak	Ya	TS

			Pengkalan Kubur					
162.	A 162	Fatimah bt Mamat	Lot 68 Kg. Geting Tumpat	63	Ya	Ya	Ya	TS
163.	A 163	Che Zaharah Hj.Daud	Kg. Telaga Lanas Tumpat	65	Ya	Ya	Tidak	
164.	A 164	Minah bt Said	389 Pondok Haji Daud Kg. Geting Tumpat	80	Ya	Tidak	Ya(Mahjun)	KIV
165.	A 165	Mek Wook bt Che Mat	Pondok Haji Daud Kg. Geting	73	Ya	Tidak	Ya	TS
166.	A 166	Hajjah Wok bt Hj. Che Mat	Pondok Hj. Daud Kg. Geting	73	Ya	Tidak	Ya	TS
167.	A 167	Tuan Din b. Tuan Senik	Kg. Raja	69	Ya	Tidak	Ya	TS
168.	A 168	Esah bt Mat Deris	Kg. Pantai Geting Tumpat	83	Ya	Ya	Ya	TS
169.	A 169	Mamat b. Ismail	Kg. Pantai Geting	68	Tidak	Tidak	Ya	TS
170.	A 170	Salleh b. Abu Bakar	Kg. Pantai Geting	91	Ya	Ya	Ya	TS
171.	A 171	Tg.Semah bt Tg. Ligor	Kg. Raja	67	Ya	Ya	Ya(Akar Kayu)	TS
172.	A 172	Hamid b. Mohammad	Belakang Klinik Bidan Kg. Geting Pengkalan Kubur	60	Ya	Tidak	Ya	TS
173.	A 173	Derahman b. Seman	Lot 172 Pondok Hj. Daud Kg. Geting	66	Tidak	Tidak	Tidak	
174.	A 174	Mek Som bt Che Deris	Kg. Geting Pengkalan Kubur	70	Ya	Ya	Tidak	
175.	A 175	Mek Jah bt Salleh	Belakang Klinik Desa Kg. Geting Tumpat	68	Tidak	Tidak	Ya	TS
176.	A 176	Pipah bt Dollah	Kg. Geting Pengkalan Kubur	62	Tidak	Tidak	Ya	TS
177.	A 177	Che Mariam bt Che Ismail	Kg. Geting Tumpat	78	Ya	Ya	Tidak	
178.	A 178	Zainab bt Said	Kampung Tebing Pengkalan Kubur	81	Tidak	Tidak	Ya	TS
179.	A 179	Fatimah bt Husin	Kampung Geting Pengkalan Kubur	76	Tidak	Tidak	Ya	TS

180.	A 180	Kiah bt Omar	Lot 95 Kg. Geting Tumpat	70	Tidak	Tidak	Ya	TS
181.	A 181	Wan Hamzah b. Wan Ibrahim	52 Kg. Tebing Pengkalan Kubur	78	Ya	Ya	Ya(Kapsul merah, Kapsul merah-hitam)	Negatif Negatif
182.	A 182	Hamzah b. Ismail	No.108 Belakang Klinik Desa Kg. Geting Tumpat	72	Tidak	Tidak	Ya(Akar Kayu)	TS
183.	A 183	Haji Yaacob b. Hj. Daud	No.79 Kg. Geting Tumpat	66	Ya	Tidak	Ya(Pil)	Negatif
184.	A 184	Haji Yaacob b. Hj. Daud	No. 79 Kg. Geting Tumpat	66	Ya	Tidak	Ya(Kapsul merah-hitam)	Negatif
185.	A 185	Bunga bt Che Ahmad	No. 91 Kampung Tebing Tumpat	71	Ya	Ya	Ya(Akar Kayu)	TS
186.	A 186	Makkelthom bt Mamat	Belakang Klinik Bidan Kg. Geting Tumpat	60	Ya	Ya	Tidak	
187.	A 187	Ramli b. Mat	61 Belakang Klinik Bidan Kg. Geting Tumpat	65	Ya	Ya	Tidak	
188.	A 188	Majid b. Sulong	68 Belakang Klinik Desa Kg. Geting Tumpat	83	Tidak	Tidak	Tidak	
189.	A 189	Mariam bt Omar	Kampung Geting Tumpat	73	Ya	Ya	Tidak	
190.	A 190	Daud b. Abraham	Belakang Klinik Desa Kg. Geting Tumpat	68	Tidak	Tidak	Tidak	
191.	A 191	Che Minah bt Che Mamat	94 Kg. Tebing Pengkalan Kubur	73	Ya	Tidak	Ya(Kapsul oren-kuning)	Negatif
192.	A 192	Yaacob b. Haji Ngah	PO Box 177 Kg. Geting Tumpat	63	Ya	Tidak	Ya(Kapsul Merah-Hitam)	Negatif
193.	A 193	Zaharah bt Mohammad	93 Kg. Tebing Tumpat	61	Tidak	Tidak	Tidak	
194.	A 194	Che Wel b. Che Mamat	93 Kg. Tebing Tumpat	66	Ya	Ya	Tidak	
195.	A 195	Wan Mas bt Wan Hussein	No.108 Belakang Klinik Desa Kg. Geting Tumpat	63	Tidak	Tidak	Ya	TS

196.	A 196	Che Nah bt Che Teh	Lot 933 Kg. Julok Chabang Empat Tumpat	72	Ya	Ya	Tidak	
197.	A 197	Salleh b. Hj. Yusof	Kg. Bunohan Tumpat	60	Ya	Ya	Tidak	
198.	A 198	Omar b. Salleh	Kg. Julok Jln. Bendang Pak Yong Tumpat	70	Tidak	Tidak	Tidak	
199.	A 199	Che Yah bt Che mamat	Kg. Jejuluk Tumpat Kelantan	63	Tidak	Tidak	Tidak	
200.	A 200	Sipah bt Ismail	Kg. Jejuluk Tumpat Kelantan	67	Ya	Ya	Ya	TS
201.	A 201	Siti Mas bt Mat Min	Lot 596 Kg. Julok Tumpat Kelantan	67	Ya	Ya	Tidak	
202.	A 202	Mek Nor bt Che Mamat	Kg. Julok Tumpat Kelantan	80	Ya	Ya	Ya	TS
203.	A 203	Munah bt Ghani	Lot 1280 Kg. Julok Tumpat Kelantan	88	Ya	Ya	Tidak	
204.	A 204	Rogayah @ Minah bt Awang Kechik	Kg. Julok Tumpat Kelantan	67	Tidak	Tidak	Ya	TS
205.	A 205	Fatimah bt Said	Kg. Jejuluk Tumpat Kelantan	73	Tidak	Tidak	Tidak	
206.	A 206	Haji Daud b. Abdul Rahman	712 Kg. Jejuluk Jln. Bendang Pak Yong Tumpat	78	Ya	Ya	Tidak	
207.	A 207	Limah bt Kasim	Kg. Julok Tumpat	64	Tidak	Tidak	Tidak	
208.	A 208	Yacob b. Mat San	Kg. Julok Tumpat	68	Tidak	Tidak	Tidak	
209.	A 209	Amin b. Taib	Kg. Julok Tumpat	71	Ya	Tidak	Ya(Pil Pink, Pil Kuning, Pil merah, Kapsul merah-hijau)	KIV
210.	A 210	Abdullah b. Ab Rahman	Kg. Jejuluk Simpangan Tumpat	68	Tidak	Tidak	Tidak	
211.	A 211	Hasmah bt Che Mat	Kg. Jejuluk Tumpat	85	Tidak	Tidak	Ya	TS
212.	A 212	Che Mas Hj. Senik	Kg. Jejuluk Tumpat Kelantan	78	Tidak	Tidak	Tidak	
213.	A 213	Siti Bidah bt Yaacob	Kg. Julok Tumpat Kelantan	64	Tidak	Tidak	Tidak	

214.	A 214	Mek Jah bt Ahmad	Kg. Julok Tumpat Kelantan	62	Ya	Ya	Tidak	
215.	A 215	Awang b. Mamat	560 Kg. Julok Tumpat	64	Ya	Ya	Tidak	
216.	A 216	Che Su Che Ahmad	Kg. Julok Tumpat Kelantan	80	Tidak	Tidak	Ya	TS
217.	A 217	Wan Minah	Kg. Belukar W/Bharu	62	Tidak	Tidak	Ya	TS
218	A 218	Fatimah	Kg. Belukar W/Bharu	64	Ya	Ya	Ya	TS
219	A 219	Limah Yaakub	Kg. Belukar W/Bharu	68	Ya	Ya	Ya	TS
220	A 220	Lumak	Kg. Belukar W/Bharu	70	Ya	Ya	Tidak	
221	A 221	Sepiah bt Mamat	Lot 10 Kg. Padang Tembar	80	Ya	Tidak	Ya(Kapsul Merah)	Positif
222	A 222	Halimah Saad	Kg. Belukar W/Bharu	64	Ya	Tidak	Ya(Kapsul Hijau)	Positif
223	A 223	Wan Aishah bt Mamat	Lot 2524 Kg. Alor Tar	72	Ya	Ya	Ya	TS

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27. 11. 18

BIL	NO. SIRI	NAMA	DARIPADA	UMUR	MENGAMBIL UBATAN dlm masa 2 minggu	PENGAMAL UBAT MODEN	PENGAMAL UBAT TRADITIONAL	KANDUNGAN STEROID
1.	B 001	Azizah bt Mohamed	Lot 172 Pondok Haji Daud Kg. Geting Tumpat	47	Ya	Tidak	Ya	TS
2.	B 002	Mustafa b. Zakaria	Belakang Masjid Kampung Geting Tumpat	39	Ya	Ya	Tidak	
3.	B 003	Rohani bt Ibrahim	Kg. Kedai Geting Tumpat	38	Ya	Ya	Tidak	
4.	B 004	Saina bt Dollah	Kampung Geting Tumpat	26	Tidak	Tidak	Ya(Akar Kayu)	TS
5.	B 005	Rokiah bt Abd. Ghani	Pondok Hj. Daud Kg. Geting Tumpat	58	Tidak	Tidak	Ya(Akar Kayu)	TS
6.	B 006	Roslina bt Yunus	Kampung Hj. Ahmad	28	Tidak	Tidak	Ya	TS
7.	B 007	Nik Hasenah bt Nik Hussin	Hadapan Klinik Desa Geting Tumpat	41	Ya	Tidak	Ya(Kapsul Hijau-putih)	P=-ve Us=+ve
8.	B 008	Mek bt Daud	No. 20 Dekat Klinik Geting Kg. Geting	48	Ya	Tidak	Ya(Kapsul merah-hitam)	P=-ve Us=+ve
9.	B 009	Esah bt Musa	Kampung Raja	57	Ya	Ya	Tidak	
10.	B 010	Husain b. Musa	Lot 13 Kg. Geting Tumpat Kelantan	58	Tidak	Tidak	Tidak	
11.	B 011	Shafiee b. Abdullah	Kg. Tebing Pengkalan Kubur	55	Tidak	Tidak	Ya	TS
12.	B 012	Che Maimun bt Che Noh	Kampung Geting Pengkalan Kubur	30	Ya	Tidak	Ya(Kapsul Perang)	Positif
13.	B 013	Nik Hasni	368 Kg. Geting Tumpat	23	Ya	Tidak	Ya(Kapsul Perang)	Negatif
14.	B 014	Kasim b. Jusoh	Depan Sekolah Pengkalan Kubur	55	Ya	Ya	Tidak	
15.	B 015	Halimah bt Mohamad	Lot 45 Kampung Ketil Pengkalan Kubur	55	Tidak	Ya	Ya	TS
16.	B 016	Ibrahim b. Che Abdullah	Lot 109 Kg. Ketil Pengkalan Kubur Tumpat	55	Tidak	Ya	Ya	TS
17.	B 017	Hajjah Mek Yah bt Hj. Daud	Depan Masjid Kampung Ketil Pengkalan Kubur	51	Ya	Tidak	Ya	TS
18.	B 018	Mariyam	Kg. Keti Pengkalan Kubur	37	Tidak	Ya	Ya	TS

Appendix C 2

214.	A 214	Mek Jah bt Ahmad	Kg. Julok Tumpat Kelantan	62	Ya	Ya	Tidak	
215.	A 215	Awang b. Mamat	560 Kg. Julok Tumpat	64	Ya	Ya	Tidak	
216.	A 216	Che Su Che Ahmad	Kg. Julok Tumpat Kelantan	80	Tidak	Tidak	Ya	TS
217.	A 217	Wan Minah	Kg. Belukar W/Bharu	62	Tidak	Tidak	Ya	TS
218	A 218	Fatimah	Kg. Belukar W/Bharu	64	Ya	Ya	Ya	TS
219	A 219	Limah Yaakub	Kg. Belukar W/Bharu	68	Ya	Ya	Ya	TS
220	A 220	Lumak	Kg. Belukar W/Bharu	70	Ya	Ya	Tidak	
221	A 221	Sepiah bt Mamat	Lot 10 Kg. Padang Tembar	80	Ya	Tidak	Ya(Kapsul Merah)	Positif
222	A 222	Halimah Saad	Kg. Belukar W/Bharu	64	Ya	Tidak	Ya(Kapsul Hijau)	Positif
223	A 223	Wan Aishah bt Mamat	Lot 2524 Kg. Alor Tar	72	Ya	Ya	Ya	TS

19.	B 019	Zainab bt Esa	Kampung Tebing Pengkalan Kubur	34	Tidak	Tidak	Ya	TS
20.	B 020	Rokiah Hassan	No. 224 Kg. Geting Tumpat	47	Tidak	Tidak	Tidak	
21.	B 021	Fatimah bt Senik	Lot 41 Kg. Tebing Pengkalan Kubur Tumpat	50	Tidak	Tidak	Ya	TS
22.	B 022	Mek bt Yaakob	Lot 117 Kg. Tebing Pengkalan Kubur	59	Tidak	Tidak	Tidak	
23.	B 023	Tuan Wok Tuan Kadir	Lot 382 Kg. Geting Tumpat	48	Tidak	Tidak	Ya(Pil)	P=+ve
24.	B 024	Raja Kalthom Raja Daud	Kg. Tebing Pengkalan Kubur	56	Ya	Tidak	Ya	TS
25.	B 025	Siti Mariam Hashim	Lot 855-A Bekakang Sekolah Men. Arab Kg. Geting	59	Ya	Ya	Tidak	
26.	B 026	Fatimah bt Muda	Belakang Pondok Qiraati	43	Ya	Ya	Tidak	
27.	B 027	Hasamah bt Husein	Hadapan Klinik Desa Kg. Geting	50	Tidak	Tidak	Ya	TS
28.	B 028	Semsiah bt Seman	Lot 235 Kg. Geting Pengkalan Kubur	41	Ya	Tidak	Ya(Mahjun)	P=-ve
29.	B 029	Norhayati bt Arifin	Lot 235 Kg. Geting Tumpat	21	Ya	Tidak	Ya(Mahjun)	P=-ve
30.	B 030	Mek Jah bt Majid	Kg. Tebing Tumpat	56	Tidak	Tidak	Ya	TS
31.	B 031	Tengku Hasnah T.Mansor	Lot 91 Kg. Ketil Pengkalan Kubur	48	Tidak	Tidak	Tidak	
32.	B 032	Suhaila bt Abd. Rahman	Lot 156 Kg. Ketil Pengkalan Kubur	22	Ya	Ya	Ya	TS
33.	B 033	Maidin b. Ismail	Depan Sekolah Pengkalan Kubur Kelantan	55	Ya	Tidak	Ya	TS
34.	B 034		Kg.Neting Pengkalan Kubur	41	Tidak	Tidak	Ya	TS
35.	B 035	Junuh b. Kechik	Kg.Geting Pengkalan Kubur	59	Ya	Ya	Ya	TS
36.	B 036	Bidah bt M. Yasin	Kg.Geting Pengkalan	33	Ya	Tidak	Ya	TS

			Kubur					
37.	B 037	Eshah bt.Muda	Kg. Geting Pengkalan Kubur	59	Ya	Ya	Tidak	
38.	B 038	Zaiton bt Daud	Kg. Geting Pengkalan Kubur	37	Ya	Tidak	Ya(Kapsul Kuning-merah, Kapsul Kuning-hijau)	P=-ve Us=+ve 2x
39.	B 039	Mohamed b. Yaacub	Kg. Geting Pengkalan Kubur	54	Ya	Tidak	Ya	TS
40.	B 040	Maimunah bt Abdullah	298 Kampung Telaga Lanas Pengkalan Kubur	42	Ya	Tidak	Ya	TS
41.	B 041	Noriza bt Yunos	Kg. Telaga Lanas Tumpat	31	Ya	Ya	Tidak	
42.	B 042	Che Zaharah bt Mamat	Kg. Telaga Lanas Pengkalan Kubur	52	Ya	Ya	Tidak	
43.	B 043	Mazri b. Mohd Razali	Kg. Telaga Lanas Pengkalan Kubur	27	Tidak	Tidak	Ya	TS
44.	B 044	Amri b. Yaacub	Kg. Telaga Lanas Pengkalan Kubur	30	Tidak	Tidak	Ya	TS
45.	B 045	Wan Leh b. Wan Deraman	Kg. Telaga Lanas Peng. Kubur	59	Ya	Ya	Ya	TS
46.	B 046	Yusof b. Yaacob	Kg. Telaga Lanas Peng. Kubur	50	Tidak	Tidak	Ya	TS
47.	B 047	Muji bt Yaakub	Lot 693 Kg. Geting Tumpat	48	Tidak	Tidak	Ya	TS
48.	B 048	Jaharah bt W. Hasan	Lot 586 Pondok Haji Daud Kg. Geting Tumpat	48	Ya	Ya	Ya	TS
49.	B 049	Norjohidah bt Husin	Kg. Geting Tumpat	23	Ya	Ya	Ya	TS
50.	B 050	Mek Esah bt Yusof	Kg. Getting Tumpat	56	Ya	Ya	Ya	TS
51.	B 051	Awang b.Nor Ismail	586 Pondok Haji Daud Kg. Geting Tumpat	43	Tidak	Tidak	Ya	TS
52.	B 052	Mohd Rusli b. Hamzah	Kedai buku Kita, Kg. Geting Tumpat	34	Ya	Ya	Ya	TS
53.	B 053	Rokiah bt Mahmud	Pondok Hj. Daud Kg. Geting	40	Ya	Tidak	Ya	TS

			Kubur					
37.	B 037	Eshah bt Muda	Kg. Geting Pengkalan Kubur	59	Ya	Ya	Tidak	
38.	B 038	Zaiton bt Daud	Kg. Geting Pengkalan Kubur	37	Ya	Tidak	Ya(Kapsul Kuning-merah, Kapsul Kuning-hijau)	P=-ve Us=+ve 2x
39.	B 039	Mohamed b. Yaacub	Kg. Geting Pengkalan Kubur	54	Ya	Tidak	Ya	TS
40.	B 040	Maimunah bt Abdullah	298 Kampung Telaga Lanas Pengkalan Kubur	42	Ya	Tidak	Ya	TS
41.	B 041	Noriza bt Yunos	Kg. Telaga Lanas Tumpat	31	Ya	Ya	Tidak	
42.	B 042	Che Zaharah bt Mamat	Kg. Telaga Lanas Pengkalan Kubur	52	Ya	Ya	Tidak	
43.	B 043	Mazri b. Mohd Razali	Kg. Telaga Lanas Pengkalan Kubur	27	Tidak	Tidak	Ya	TS
44.	B 044	Amri b. Yaacub	Kg. Telaga Lanas Pengkalan Kubur	30	Tidak	Tidak	Ya	TS
45.	B 045	Wan Leh b. Wan Deraman	Kg. Telaga Lanas Peng. Kubur	59	Ya	Ya	Ya	TS
46.	B 046	Yusof b. Yaacob	Kg. Telaga Lanas Peng. Kubur	50	Tidak	Tidak	Ya	TS
47.	B 047	Muji bt Yaakub	Lot 693 Kg. Geting Tumpat	48	Tidak	Tidak	Ya	TS
48.	B 048	Jaharah bt W. Hasan	Lot 586 Pondok Haji Daud Kg. Geting Tumpat	48	Ya	Ya	Ya	TS
49.	B 049	Norjohidah bt Husin	Kg. Geting Tumpat	23	Ya	Ya	Ya	TS
50.	B 050	Mek Esah bt Yusof	Kg. Getting Tumpat	56	Ya	Ya	Ya	TS
51.	B 051	Awang b. Nor Ismail	586 Pondok Haji Daud Kg. Geting Tumpat	43	Tidak	Tidak	Ya	TS
52.	B 052	Mohd Rusli b. Hamzah	Kedai buku Kita, Kg. Geting Tumpat	34	Ya	Ya	Ya	TS
53.	B 053	Rokiah bt Mahmud	Pondok Hj. Daud Kg. Geting	40	Ya	Tidak	Ya	TS

19.	B 019	Zainab bt Esa	Kampung Tebing Pengkalan Kubur	34	Tidak	Tidak	Ya	TS
20.	B 020	Rokiah Hassan	No. 224 Kg. Geting Tumpat	47	Tidak	Tidak	Tidak	
21.	B 021	Fatimah bt Senik	Lot 41 Kg. Tebing Pengkalan Kubur Tumpat	50	Tidak	Tidak	Ya	TS
22.	B 022	Mek bt Yaakob	Lot 117 Kg. Tebing Pengkalan Kubur	59	Tidak	Tidak	Tidak	
23.	B 023	Tuan Wok Tuan Kadir	Lot 382 Kg. Geting Tumpat	48	Tidak	Tidak	Ya(Pil)	P=+ve
24.	B 024	Raja Kalthom Raja Daud	Kg. Tebing Pengkalan Kubur	56	Ya	Tidak	Ya	TS
25.	B 025	Siti Mariam Hashim	Lot 855-A Bekakang Sekolah Men. Arab Kg. Geting	59	Ya	Ya	Tidak	
26.	B 026	Fatimah bt Muda	Belakang Pondok Qiraati	43	Ya	Ya	Tidak	
27.	B 027	Hasamah bt Husein	Hadapan Klinik Desa Kg. Geting	50	Tidak	Tidak	Ya	TS
28.	B 028	Semsiah bt Seman	Lot 235 Kg. Geting Pengkalan Kubur	41	Ya	Tidak	Ya(Mahjun)	P=-ve
29.	B 029	Norhayati bt Arifin	Lot 235 Kg. Geting Tumpat	21	Ya	Tidak	Ya(Mahjun)	P=-ve

54.	B 054	Abdul Wahab b. Musa	355 Kg. Tebing Tumpat	55	Ya	Ya	Tidak	
55.	B 055	Azizah bt Yusof	355 Kg. Tebing Tumpat	46	Tidak	Ya	Tidak	
56.	B 056	Rohana bt Husin	Belakang Klinik Kg. Geting Tumpat	29	Tidak	Ya	Tidak	
57.	B 057	Zalimah bt Mamat	Kg. Geting Tumpat	35	Ya	Ya	Ya	TS
58.	B 058	Shafeein b. Omar	175 Pondok Hj. Daud Kg. Geting Tumpat	53	Ya	Ya	Ya	TS
59.	B 059	Rahimah bt Mamat	Kg. Tebing Pengkalan Kubur	44	Ya	Ya	Ya	TS
60.	B 060	Che Hari bt Che Ya'cob	Pondok Hj. Daud Kg. Geting Tumpat	43	Ya	Ya	Tidak	
61.	B 061	Sufian b. Hamad	Kg. Geting Tumpat	47	Ya	Tidak	Ya	TS
62.	B 062	Liah bt Deraman	No. 172 Kg. Getting Pondok Hj. Daud	35	Tidak	Tidak	Ya(Kapsul Merah)	P=-ve Us=+ve
63.	B 063	Zakaria b. Taib	Kg. Telaga Lanas Tumpat	58	Ya	Ya	Tidak	
64.	B 064	Nurida bt Ha	Telaga Lanas Pengkalan Kubur	20	Ya	Tidak	Ya	P=+ve
65.	B 065	Arshad b. Abu Bakar	Kg. Tg. Pengkalan Kubur Tumpat	51	Tidak	Tidak	Ya	TS
66.	B 066	Siti Fatimah bt Omar	Kg. Telaga Lanas Pengkalan Kubur	35	Ya	Tidak	Ya(Kapsul Merah-Putih)	P=-ve S=+ve
67.	B 067	Zulkarnain b. Hussein	Kg. Telaga Lanas Tumpat	34	Ya	Ya	Ya(Pil)	P=+ve
68.	B 068	Fatimah bt Latif	Kg. Telaga Lanas Tumpat	56	Tidak	Tidak	Tidak	
69.	B 069	Lijah bt Samad	Kampung Telaga Lanas	50	Tidak	Tidak	Tidak	
70.	B 070	Hassan b. Seman	163 Kg. Telaga Lanas Pengkalan Kubur	45	Tidak	Tidak	Tidak	
71.	B 071	Che Jah bt Omar	150 Kg. Telaga Lanas Tumpat	52	Ya	Tidak	Tidak	
72.	B 072	Adam b. Awang Teh	Kg. Telaga Lanas Tumpat	56	Tidak	Tidak	Ya(Mahjun)	P=-ve,us=+ve
73.	B 073	Che Patimah @ Esah bt Che Hasan	Dekat Klinik Desa Kg. Geting Peng. Kubur	56	Tidak	Tidak	Tidak	
74.	B 074	Noriah bt Yusof	No. 68 Belakang Klinik	49	Ya	Ya	Ya	TS

81.	B 081	Mariam bt Hamzah	70, Belakang Klinik Desa Kg. Geting Peng/Kubur	30	Ya	Ya
82.	B 082	Bidah bt Ali	No.74 Kg. Geting Jln. Pengkalan Kubur	56	Ya	Ya
83.	B 083	Zainon bt Sulaiman	No. 10 Taman Sri Pengkalan Kubur	38	Ya	Tidak
84.	B 084	Nik Noriza bt Nik Yusof	Taman Sri Pengkalan Kubur Tumpat	30	Ya	Tidak
85.	B 085	Siti Zaharah bt Othman	Kampung Ketil Pengkalan Kubur	53	Tidak	Tidak
86.	B 086	Ungku Noraini bt Ungku Haither	Kampung Pengkalan Kubur Tumpat	37	Ya	Tidak
87.	B 087	Raimah bt Abd. Latif	Sebelah Pejabat Pos Kg. Ketil Pengkalan Kubur	35	Ya	Tidak

			Desa Kg. Geting					
75.	B 075	Zakiah bt Mamat	Kg. Geting 16200 Tumpat	27	Ya	Ya	Tidak	
76.	B 076	Hamanesah bt Daud	Kg. Masjid Geting Tumpat	59	Ya	Tidak	Ya	TS
77.	B 077	Halimah bt Ab. Rahman	Kg. Tebing Pengkalan Kubur	50	Ya	Ya	Ya	TS
78.	B 078	Mohd Noor b. Ismail	Belakang Klinik Lama Jalan Surau Buruk Kg. Geting	59	Ya	Ya	Tidak	
79.	B 079	Zaharah bt Ibrahim	Kg. Tebing Pengkalan Kubur	53	Tidak	Tidak	Ya	TS
80.	B 080	Husin b. Yahya	Kg. Tebing Pengkalan Kubur	54	Ya	Tidak	Ya	TS
81.	B 081	Mariam bt Hamzah	70, Belakang Klinik Desa Kg. Geting Peng/Kubur	56	Ya	Ya	Tidak	
82.	B 082	Bidah bt Ali	No.74 Kg. Geting Jln. Pengkalan Kubur	56	Ya	Ya	Tidak	
83.	B 083	Zainon bt Sulaiman	No. 10 Taman Sri Pengkalan Kubur	38	Ya	Tidak	Ya	TS
84.	B 084	Nik Noriza bt Nik Yusof	Taman Sri Pengkalan Kubur Tumpat	30	Ya	Tidak	Ya	TS
85.	B 085	Siti Zaharah bt Othman	Kampung Ketil Pengkalan Kubur	53	Tidak	Tidak	Ya	TS
86.	B 086	Ungku Noraini bt Ungku Haither	Kampung Pengkalan Kubur Tumpat	37	Ya	Tidak	Ya(Kapsul Kelabu)	P=-ve Us=+ve
87.	B 087	Raimah bt Abd. Latif	Sebelah Pejabat Pos Kg. Ketil Pengkalan Kubur	35	Ya	Tidak	Ya(Kapsul Kuning tua, Kapsul Kuning Muda, Kapsul kelabu, Kapsul putih-oren, Pil)	P=-ve P=+ve P=+ve P=-ve P=-ve

54.	B 054	Abdul Wahab b. Musa	355 Kg. Tebing Tumpat	55	Ya	Ya	Tidak	
55.	B 055	Azizah bt Yusof	355 Kg. Tebing Tumpat	46	Tidak	Ya	Tidak	
56.	B 056	Rohana bt Husin	Belakang Klinik Kg. Geting Tumpat	29	Tidak	Ya	Tidak	
57.	B 057	Zalimah bt Mamat	Kg. Geting Tumpat	35	Ya	Ya	Ya	TS
58.	B 058	Shafeein b. Omar	175 Pondok Hj. Daud Kg. Geting Tumpat	53	Ya	Ya	Ya	TS
59.	B 059	Rahimah bt Mamat	Kg. Tebing Pengkalan Kubur	44	Ya	Ya	Ya	TS
60.	B 060	Che Hari bt Che Ya'cob	Pondok Hj. Daud Kg. Geting Tumpat	43	Ya	Ya	Tidak	
61.	B 061	Sufian b. Hamad	Kg. Geting Tumpat	47	Ya	Tidak	Ya	TS
62.	B 062	Liah bt Deraman	No. 172 Kg. Getting Pondok Hj. Daud	35	Tidak	Tidak	Ya(Kapsul Merah)	P=-ve Us=+ve
63.	B 063	Zakaria b. Taib	Kg. Telaga Lanang Tumpat	58	Ya	Ya	Tidak	
64.	B 064	Nurida bt Ha	Telaga Lanang Pengkalan Kubur	20	Ya	Tidak	Ya	P=+ve
65.	B 065	Arshad b. Abu Bakar	Kg. Tg. Pengkalan Kubur Tumpat	51	Tidak	Tidak	Ya	TS

SENARAI BAWAH 60 TAHUN YANG TELAH DITEMUDUGA DI PAHANG

BI L	NO SIR I	NAMA	DARIPADA	UMUR	MENGAM BIL UBAT- UBATAN Dlm 2 Minggu	UBAT MODE N	PENGAMAL UBAT TRADISIONAL	KANDUNG AN STEROID
1.	003	Saniah bt. Mat	No.28 Pekan Sari Ulu Cheka Jerantut	57	Ya	Tidak	Ya	
2.	006	Maznah Endut	Kg. Gol, Ulu Cheka Jerantuk	50	Tidak	Tidak	Ya (Belimbing Tanah)	
3.	009	Abdullah Yassin b.Hitam	Kg. Gol Ulu Cheka Jerantut.	46	Ya	Ya	Ya	
4.	012	Seri Mas bt. Akim	Kg. Ulu Cheka Jerantut.	29	Ya	Tidak	Ya	
5.	024	Nur Esah Hasan	No,17 Kg. Ulu Cheka Jerantut.	57	Tidak	Tidak	Ya(Akar Kayu)	Positif
6.	028	Najah Majdi bt. Mohd Sahar.	Kg. Ulu Cheka Jerantut.	36	Ya	Ya	Ya(Belimbing Tanah)	
7.	034	Zainon bt. Jali	Kg. Berau Ulu Cheka Jerantut	35	Ya	Tidak	Ya(pokok gajah beranak)	
8.	044	Nurhasni bt. Abdullah	Kg. Gol Ulu Cheka Jerantut.	20	Ya	Tidak	Ya(Habbatus Sauda)	Positif
9.	053	Napura bt. Che Husin	No.1 Kg. Pekan Sehari Ulu Cheka	34	Ya	Ya	Tidak	Negatif
10.	055	Jamaliah bt. Khalid	No.1 Kg. Pekan Sehari Ulu Cheka	44	Ya	Ya	Tidak	Negatif
11.	059	Saffardin bin Jaafar	Rumah Guru Sk Pawang Nong Jerantut	49	Ya	Tidak	Ya(Habbatus Sauda)	Positif
12.	061	Sinah bt. Hj. Abdullah	Pekan Sehari Ulu Cheka	50	Ya	Tidak	Ya(Akar Kayu)	Negatif
13.	063	Siti Sarah Haji Awang	Pekan Sehari Ulu Cheka	19	Ya	Tidak	Ya(Kapsul Jernih)	Positif
14.	065	Haji Abd. Aziz Hj.	Kg. Berau Ulu Cheka	58	Ya	Ya	Ya	

		Md. Yunus	Jerantut					
15.	072	Anuar Hamzah	Kg. Jelai Hulu Cheka Jerantut	29	Ya	Ya	Tidak	Negatif
16.	078	Ramlah bt. Bilal Ani	Kg. Tanjung Puteri Ulu Cheka	43	Ya	Tidak	Ya(Akar Kayu)	Positif
17.	079	Siti HawaBT. Ismail	Kg. Tanjung Puteri Ulu Cheka	56	Ya	Tidak	Ya(Jamu)	
18.	095	Azizah bt Abdullah	Kg. Berau Ulu Cheka	36	Ya	Ya	Ya(Akar Kayu)	
19.	110	Mastura bt. Ismail	Kg. Ulu Gol Ulu Cheka	34	Ya	Ya	Ya(Akar Kayu)	Negatif
20.	124	Amina bt. Setapa	Kg. Tapau Ulu Cheka	58	Tidak	Tidak	Ya(Akar Kayu)	
21.	139	Hj. Hussain b. Nahib	Kg. Jingga Ulu Cheka	54	Ya	Tidak	Ya(Kapsul, Akar Kayu)	Positif
22.	143	Fauziah Sharif	Kg. Ulu Cheka Jerantut	32	Tidak	Tidak	Ya(Akar Kayu)	
23.	147	Abd. Razak b. Hj. Zakaria	Pekan Sehari Kg. Ulu Cheka	37	Tidak	Tidak	Ya(Akar Kayu)	Positif
24.	148	Rohana bt. Hassan	Pekan Sehari Kg. Ulu Cheka	32	Ya	Tidak	Ya(Akar Kayu)	
25.	153	Sabsidah bt. Hj. Khalid	Kg. Berau	58	Tidak	Tidak	Ya(Akar Kayu)	
26.	155	Hafsah bt. Tahar	Lot 738 Kg. Bau Damak	43	Ya	Tidak	Ya(Tablet)	
27.	164	Rosmirani bt Mat Sharif	Kg. Tengah	34	Tidak	Tidak	Ya(Akar Kayu)	Positif
28.	167	Zulkifli b. Awang	Kg. Berau Jerantut	45	Ya	Tidak	Ya(Habbatus Sauda)	
29.	174	Halimah bt. Yunus	Kg. Berau	46	Tidak	Tidak	Ya(Akar Kayu)	Negatif
30.	175	Alias b. Bacek	Kg. Berau Ulu Cheka	55	Ya	Tidak	Ya(Kapsul)	Positif
31.	181	Norhasimah bt hj. Razali	Kg. Berau Ulu Cheka	32	Ya	Tidak	Ya(Akar Kayu)	
32.	182	Siti Noor bt. Idi	Kg. Berau Ulu Cheka	29	Ya	Tidak	Ya(Akar Kayu)	Positif
33.	183	Omar Abd. Aziz b. Yet	Kg. Berau Ulu Cheka	35	Ya	Tidak	Ya(Akar Kayu)	Positif
34.	184	Mohd Mustafa Md Noruq	Kg. Berau Ulu Ckeka	30	Tidak	Tidak	Ya(Akar Kayu)	Positif

35.	277	Faridah bt Abd Kadir	Kg. Jelai Ulu Cheka	37	Ya	Tidak	Ya(Makjun)	Positif
36.	280	Azizi bt: Othman	Kg. Jelai Ulu Cheka	40	Ya	Ya	Ya(Makjun)	
37.	288	Asmah bt. Din	No. 89 Rumah kos rendah Jerantut	33	Ya	Ya	Ya(Akar Kayu)	Positif
38.	194	Rosiah Majid	Kg. Jenerik Ulu Cheka	44	Ya	Ya	Tidak	Negatif
39.	204	Hayati bt. Omar	Kg. Tengah Ulu Cheka	34	Ya	Tidak	Ya(Kapsul)	Positif
40.	217	Fazlina bt Awang	Kg. Bukit Cermin Ulu Cheka	26	Tidak	Tidak	Ya(Akar Kayu)	Negatif
41.	221	Esah bt. Daud	Kg. Bukit Cermin Ulu Cheka	54	Ya	Tidak	Ya(Daun Kayu)	
42.	223	Siti Rohani bt. Yusof	Kg. Bukit Cermin Ulu Cheka	40	Tidak	Tidak	Ya(Akar Kayu)	
43.	224	Osman Kamarudin b. Hamid	Kg. Bukit Cermin Ulu Cheka	55	Tidak	Tidak	Ya(Akar Kayu)	
44.	259	Seri Banu	Kg. Jelai Ulu Cheka	55	Ya	Tidak	Ya(akar kayu)	Negatif

SENARAI WARGA TUA 60 TAHUN KE ATAS DI PAHANG

BI L	NO. SIRI	NAMA	ALAMAT	UMUR	MENGAMBIL UBATAN Dlm 2 minggu	UBAT MODEN	UBAT TRADISIONAL	KANDUNGAN STEROID
1	021	Karim bin Petah	Kg. Tanjung Puteri Ulu Cheka Jerantut.	75	Tidak	Tidak	Ya(Akar Kayu)	Positif
2	022	Peah bt. Ator	Kg. Tanjung Puteri Ulu Cheka Jerantut.	70	Tidak	Tidak	Ya(Akar Kayu)	Positif
3	050	Abdul Samat bin Mohd	Kg. Jenerik Hulu Cheka	66	Ya	Ya	Tidak	Negatif
4	051	Gemalawati Awanglah	Kg. Tengah Ulu Cheka	60	Ya	Ya	Tidak	
5	052	Din bin Idris	Kg. Tengah Ulu Cheka	62	Ya	Ya	Tidak	
6	198	Hajjah Kamariah	Kg. Jelai Ulu Cheka	64	Ya	Ya	Ya (Akar Kayu)	
7	054	Zabidah bt Abu	No.1 Kg. Pekan Sehari	67	Tidak	Tidak	Ya(Minuman Halia)	Negatif
8	066	Haji Kama	Kg. Jelai Cheka	60	Ya	Ya	Ya(Kapsul Pil merah, Pil merah jambu)	Negatif Negatif Negatif
9	169	Hj. Zawiyah bt Jumaat Amin	Kg. Berau	68	Ya	Tidak	Ya(Kapsul)	Positif
10	191	Banun bt Ismail	Kg. Tengah Ulu Cheka	63	Ya	Ya	Tidak	Positif
11	192	Mat Nor bin Ripin	Kg. Jenerik Ulu Cheka	70	Ya	Tidak	Ya(Akar Kayu)	
12								
13	097	Teh Hashim b. Nor	Kg. Tanjung Puteri Ulu Cheka	64	Ya	Ya	Ya(Kapsul)	Positif
14	103	Daud bin Mohd	Kg. Tengah Ulu Cheka	67	Ya	Tidak	Ya(Makjun, Akar Kayu)	Positif Positif
15	106	Zaharah bt. Boceh	Kg. Ulu Cheka	67	Tidak	Tidak	Ya(Akar Kayu)	Positif
16	165	Zainal bin Omar	Kg. Ulu Cheka	75	Ya	Tidak	Ya(Akar Kayu)	Negatif
17	159	Hj. Ali bin Mat Yunus	Kg. Bau Ulu Cheka	64	Tidak	Tidak	Ya(Akar Kayu)	

35.	277	Faridah bt Abd Kadir	Kg. Jelai Ulu Cheka	37	Ya	Tidak	Ya(Makjun)	Positif
36.	280	Azizi bt: Othman	Kg. Jelai Ulu Cheka	40	Ya	Ya	Ya(Makjun)	
37.	288	Asmah bt. Din	No. 89 Rumah kos rendah Jerantut	33	Ya	Ya	Ya(Akar Kayu)	Positif
38.	194	Rosiah Majid	Kg. Jenerik Ulu Cheka	44	Ya	Ya	Tidak	Negatif
39.	204	Hayati bt. Omar	Kg. Tengah Ulu Cheka	34	Ya	Tidak	Ya(Kapsul)	Positif
40.	217	Fazlina bt Awang	Kg. Bukit Cermin Ulu Cheka	26	Tidak	Tidak	Ya(Akar Kayu)	Negatif
41.	221	Esah bt. Daud	Kg. Bukit Cermin Ulu Cheka	54	Ya	Tidak	Ya(Daun Kayu)	
42.	223	Siti Rohani bt. Yusof	Kg. Bukit Cermin Ulu Cheka	40	Tidak	Tidak	Ya(Akar Kayu)	
43.	224	Osman Kamarudin b. Hamid	Kg. Bukit Cermin Ulu Cheka	55	Tidak	Tidak	Ya(Akar Kayu)	
44.	259	Seri Banu	Kg. Jelai Ulu Cheka	55	Ya	Tidak	Ya(akar kayu)	Negatif

18	216	Shamsudin b. Bali	Kg. Bau Ulu Cheka	64	Tidak	Tidak	Ya(Akar Kayu)	
19	260	Esah bt. Dollah	Kg. Jelai Ulu Cheka	62	Ya	Ya	Tidak	Negatif
20	269	Siti Had	Kg. Jelai Ulu Cheka	62	Ya	Ya	Ya(Akar Kayu)	Negatif

BORANG SOAL SELIDIK

**PENGGUNAAN UBAT MODEN DAN TRADISIONAL OLEH WARGA TUA MELAYU,
LUAR BANDAR DI PAHANG DAN KELANTAN.**

BAHAGIAN A (Data Peribadi)

1. No. Siri : A 222 (Kampung Waja)
2. Alamat Rumah: Kg. Belukar Wakaf Bharu
3. Nama : Halimah Saral
4. Tahun Lahir (mengikut K/P): 1938
5. Umur/Tahun : 64
6. Jantina : Lelaki / Perempuan
7. Taraf pendidikan:

Tidak bersekolah	<input checked="" type="checkbox"/>
Sekolah rendah	<input type="checkbox"/>
Sekolah menengah	<input type="checkbox"/>

8. Taraf pekerjaan:

Tidak bekerja	<input checked="" type="checkbox"/>
Masih bekerja	<input type="checkbox"/>
Pesara	<input checked="" type="checkbox"/>

Apakah kerja sekarang? pesara

Apakah kerja dahulu? _____

Nota: Kalau pesara yang masih bekerja, isi ruangan Masih bekerja.

BAHAGIAN B (Tingkah laku Kesihatan)

9. Dalam masa 2 minggu lepas, adakah anda menggunakan (makan) apa-apa ubat-ubatan ?

Ya

Tidak

Teruskan ke soalan 15

10. Jika Ya, apakah jenis ubat yang digunakan :

Ubat moden

Ubat tradisional

Homeopati

Lain-lain

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Nyatakan : Hand

11. Di manakah ubat ini didapati :

Dari hospital/ klinik swasta/ kerajaan

Dibeli dari kedai

Diberi oleh kawan/ saudara

Dicari sendiri

Lain-lain sumber

<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Nyatakan : _____

12. Apakah penyakit yang anda alami :

lelaki - leye sendi

13. Adakah anda masih menyimpan ubat atau bekas ubat itu :

Ya

Tidak

<input checked="" type="checkbox"/>
<input type="checkbox"/>

14. Jika ubat atau bekas ubat masih tersimpan, sila catatkan maklumat berikut:

14.1 Jenis ubat

Ubat moden

Ubat tradisional

Homeopati

Lain-lain

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Nyatakan: Hand

14.2 Nama ubat

Ada

Tiada

Catatkan :

<input type="checkbox"/>
<input checked="" type="checkbox"/>

Hand

14.3 Cara makan

Ada
Tiada

Catitkan :

X

1 biji sehari

14.4 Tarikh

Ada
Tiada

Catitkan :

X

14.5 Cara menyimpan

Peti sejuk
Peti ubat
Dalam almari
Lain-lain

X

Nyatakan: _____

14.6 Adakah anda berkongsi ubat dengan orang lain?

Ada
Tiada

X

Catitkan : _____

14.7 Bilangan baki ubat: + 10 - 15

Nota : 1. Sila catat nama ubat, cara makan dan tarikh seperti terdapat di atas sampul/
bekas ubat jika ada.
2. Jika ubat tradisional itu masih ada baki, sila minta satu sampel ubat dan
masukkan ke dalam bekas plastik yang disediakan dan catat nombor siri dengan jelas.

15. Pernahkah anda menggunakan (makan) ubat tradisional?

Ya
Tidak

16. Jika Ya apakah penyakit yang anda alami?

17. Adakah anda masih menyimpan ubat tradisional itu?

Ya

Tidak

Nota : Jika ubat tradisional yang masih tersimpan, sila minta satu sampel ubat dan masukkan ke dalam bekas plastik yang disediakan dan catat nombor siri dengan jelas.

Nama penemuramah : _____

Tarikh : _____

Disemak oleh : _____

Catatan :

Soal selidik lengkap

Soal selidik tidak lengkap

TOXICOLOGY REQUEST
PHARMACOLOGY AND TOXICOLOGY LABORATORY
 HOSPITAL UNIVERSITI SAINS MALAYSIA
 UNIVERSITI SAINS MALAYSIA
 16150 KUBANG KERIAN, KELANTAN
 TEL: 09-7651700 ext. 2094, 2257

Lab. No.

657/02

PATIENT INFORMATION

NAME: DR. ZABINAH ISMAIL R/N: _____

Race: _____ Sex: _____ Age: _____ Ward: _____ Ext: _____

Date & Time of Suspected Ingestion: _____ Suspected Poison: _____

History: A 227
kapsul ligu.

Main Physical Finding/s: _____

Specimen	Please tick	Date & Time Taken
Urine (5.0 - 20.0 ml) Catheter? Yes/No		
Gastric Lavage (20 ml)		
Blood (1.0 ml - 5.0 ml)		
Others (If any, please specify):		

QUALITATIVE ANALYSIS

	Please tick	RESULT (LAB USE ONLY)
Barbiturate		
Benzodiazepine		
Cannabis		
Heavy metals (Mercury, Arsenic)		
Morphine		
Oxidising agents		
Organophosphate		
Paracetamol		
Paraquat		
Phenothiazine		
Salicylates		
Other test required (please specify): STEROID		POSITIF



Penolong Pegawai Sains Perubatan
 Jabatan Farmakologi
 Pusat Pengajian Sains Perubatan
 Universiti Sains Malaysia

Medical Officer:.....
 Ext.:.....
 Date:.....

Toxicologist /Scientific Officer
 Date: 11 NOV 2002



BAHAGIAN PENYELIDIKAN DAN PEMBANGUNAN
CANSELORI
UNIVERSITI SAINS MALAYSIA

Laporan Kemajuan Penyelidikan

23hb Mei 2001

1. Nama Penyelidikan / Penyelaras : Prof. Madya Dr. Zabidah Ismail
2. Pusat Penyelidikan : Sains Perubatan
3. Tajuk : The Utilization of Modern and Traditional Medicines by rural Malays in Pahang and Kelantan.
4. Jumlah Geran : RM 15 000
5. Geran Tambahan : Tiada
6. Baki Yang ada : RM 4763.15 (anggaran)
7. Tarikh : 15 Disember 2001 and 14 Disember 2001
8. Lanjutan Tempoh Yang Diluluskan : n/a
9. Laporan Kemajuan Dari Segi Kerja- Kerja Yang telah dijalankan:
 - a. Pemilihan Komuniti Luar Bandar dan Persediaan Soal Selidik (3/12) - selesai.
 - b. Banci Rumah (12/12) – masih berjalan. Sehingga hari ini, jumlah warga tua yang telah ditemuduga ialah 321 orang.
 - c. Analisa Steroid (6/12) – masih berjalan. Setakat ini telah dilakukan 30 ujian dan masih terdapat 10 lagi sampel yang akan dilakukan. Sampel terpaksa dikumpulkan dan apabila banyak, barulah dilakukan ujian steroid. Ini bagi menjimatkan kos.
 - d. Penulisan laporan (4/12) – dalam progres.

Sila lihat carta untuk pemerhatian menyeluruh.

Aktiviti Projek	Dis 2000	Jan 2001	Feb 2001	Mac 2001	Apr 2001	Mei 2001	Jun 2001	Jul 2001	Ogs 2001	Spt 2001	Oct. 2001	Nov 2001	Dis 2001
1. Pemilihan Komuniti Luar Bandar dan Persediaan Soal Selidik (3/12)			●										

Aktiviti 1

Aktiviti 2

Aktiviti 3

Aktiviti 4

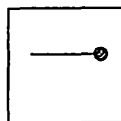
2. Banci Rumah (12/12)													
3. Analisa Steroid (6/12)													
4. Penulisan laporan (4/12)													

Kemajuan Aktiviti :

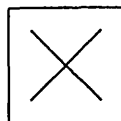
Aktiviti 1



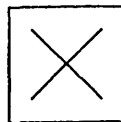
Aktiviti 2



Aktiviti 3



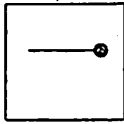
Aktiviti 4



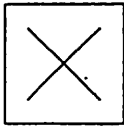
Nota :



Selesai



Sedang Berjalan Sekarang



Belum Dijalankan

Disediakan oleh:

A handwritten signature in black ink that reads "Zabidah Ismail".

Associate Prof. Dr. Zabidah Ismail
Pharmacology Dept.
The School of Medical Sciences
Universiti Sains Malaysia
16150 Kubang Kerian
KELANTAN

[e-mail:zabidah@kb.usm.my](mailto:zabidah@kb.usm.my)

tel:09-760 2707 (off) and 09-764 6236 (res)

Wednesday, September 12, 2001

Aktiviti Projek	Dis 200 1	Jan 200 2	Feb 200 2	Mac 200 2	Apr 200 2
1. Pemilihan Komuniti Luar Bandar dan Persediaan Soal Selidik			●		



BAHAGIAN PENYELIDIKAN DAN PEMBANGUNAN
 CANSOLORI
 UNIVERSITI SAINS MALAYSIA

Laporan Kemajuan Penyelidikan

20hb Ogos 2002

1. Nama Penyelidik/Penyelaras: Prof. Madya Dr. Zabidah Ismail
2. Pusat Pengajian: Sains Perubatan
3. Tajuk: The Utilization of Modern and Traditional Medicines by rural Malays in Pahang and Kelantan.
4. Jumlah Geran: RM 15 000
5. Geran Tambahan: RM 5000
6. Baki Yang ada: RM 5153.25 (anggaran)
7. Tarikh: 15 Jun 2001 dan 14 Disember 2002
8. Lanjutan Tempoh Yang Diluluskan: n/a
9. Laporan Kemajuan Dari Segi Kerja- Kerja Yang Telah Dijalankan:
 - e. Pemilihan Komuniti Luar Bandar dan Persediaan Soal Selidik (3/12) - selesai.
 - f. Banci Rumah (8/12) – masih berjalan. Akan habis bulan Ogos ini. Sehingga hari ini, jumlah warga tua yang telah ditemuduga ialah 1321 orang. Seramai 1332 di Kelantan dan di Pahang.
 - g. Analisa Steroid (6/12) – masih berjalan. Setakat ini telah dilakukan 30 ujian dan masih terdapat 70 lagi sampel yang akan dilakukan. Sampel terpaksa dikumpulkan dan apabila banyak, barulah dilakukan ujian steroid. Ini bagi menjimatkan kos.
 - h. Penulisan laporan (4/12) – sedang berjalan. Juga pembentangan kertaskerja pada bulan November ini di MPS Scientific Meeting, Pulau Pinang.

Sila lihat carta untuk pemerhatian menyeluruh.

Aktiviti Projek	Dis 2001	Jan 2002	Feb 2002	Mac 2002	Apr 2002	Mei 2002	Jun 2002	Jul 2002	Ogs 2002	Sep 2002	Okt 2002	Nov 2002	Dis 2002
1. Pemilihan Komuniti Luar Bandar dan Persediaan Soal Selidik			●										

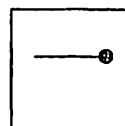
(3/12)														
2. Banci Rumah (8/12)	_____●													
3. Analisa Steroid (3/12)							_____●							
4. Penulisan laporan (3/12)								_____●						

Kemajuan Aktiviti :

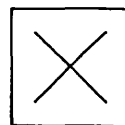
Aktiviti 1



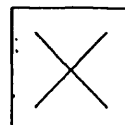
Aktiviti 2



Aktiviti 3



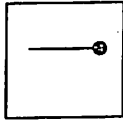
Aktiviti 4



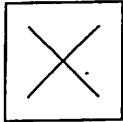
Nota :



Selesai



Sedang Berjalan Sekarang



Belum Dijalankan

Disediakan oleh:

Associate Prof. Dr. Zabidah Ismail
Pharmacology Dept.
The School of Medical Sciences
Universiti Sains Malaysia
16150 Kubang Kerian
KELANTAN
e-mail:zabidah@kb.usm.my
tel:09-760 2707 (off) and 09-764 6236 (res)

Wednesday, September 12, 2001

Appendix G
Isma 14/12/00



UNIVERSITI SAINS MALAYSIA
PENYELIDIKAN & PEMBANGUNAN • RESEARCH & DEVELOPMENT
11800 • PULAU PINANG • MALAYSIA

Rujukan kami : FPP 2000/248

Tarikh : 08 DISEMBER 2000

Profesor Madya Zabidah Ismail
Jabatan Farmakologi
Pusat Pengajian Sains Perubatan
Universiti Sains Malaysia
16150 Kubang Kerian
KELANTAN DARUL NAIM

Puan,

Permohonan Geran USM Jangka Pendek

Sukacita dimaklumkan bahawa Jawatankuasa Sains Bio-Perubatan dan Kesihatan di mesyuaratnya pada 18 Oktober 2000 telah meluluskan permohonan penyelidikan puan di atas tajuk **"The Utilization of Modern and Traditional Medicines by Rural Elderly Malays in Pahang and Kelantan"** daripada geran **USM Jangka Pendek**. Sebanyak **RM15,000.00** diluluskan dengan perincian seperti berikut:

Vot 11000 (Gaji dan Upahan)	RM 5,400.00
Vot 21000 (Perbelanjaan Perjalanan & Sarahidup)	RM 1,180.00
Vot 22000 (Pengangkutan Barang-Barang)	RM 50.00
Vot 23000 (Perhubungan dan Utiliti)	RM 300.00
Vot 27000 (Bekalan dan Bahan-Bahan Lain)	RM 4,520.00
* Vot 29000 (Perkhidmatan Ikhtisas & Perkhidmatan-Lain yang dibeli dan Hospitaliti)	RM 3,550.00

**(diluluskan untuk bayaran sugu hati kepada orang tua + pendaftaran persidangan)*

JUMLAH BESAR RM15,000.00
=====

Seterusnya, sekiranya peruntukan diluluskan di bawah **Vot 11000**, dibawah geran penyelidikan jangka pendek, hanya Pembantu Pelajar ataupun Pembantu Projek boleh dilantik. Kadar elaun yang boleh dibayar ialah **RM15.00** sehari ataupun pada maksimumnya **RM450.00** sebulan.

33. 12. 2000 Isma

Dari segi perjalanan pula, kadar tuntutan yang dibenarkan ialah berasaskan tuntutan Pegawai A Tingkatan Biasa dengan tidak mengambil kira jawatan hakiki tuan/puan.

**Lain-Lain Penyelidik: Profesor Kamaruzaman Wan Su
UIA/ Jab. Perubatan Masyarakat
Dr. Mohd. Hashim Mohd. Hassan
Jabatan Perubatan Masyarakat
Pusat Pengajian Sains Perubatan**

Apa jua kelulusan yang diberikan di bawah Vot 29000 yang melibatkan kerja-kerja fotokopi, bahan fotokopi ini menjadi hak milik Universiti dan sekiranya berguna, perlu disampaikan untuk simpanan arkib Universiti Sains Malaysia.

Sekiranya bahan rujukan dan jernel diluluskan, pembelian bahan-bahan ini mesti diuruskan melalui Perpustakaan USM. Bahan-bahan ini akan dikatalogkan dan akan dipinjamkan kepada tuan/puan sepanjang tempoh penyelidikan tuan/puan. Seterusnya bahan-bahan ini perlu dikembalikan kepada Perpustakaan sebaik sahaja projek berakhir.

Kelulusan ini juga adalah tertakluk kepada syarat-syarat seperti yang terkandung dalam Buku Panduan Penyelidikan Universiti Sains Malaysia (Januari 1990) dan syarat-syarat berikut :

- (a) Sebarang penerbitan dihasilkan mestilah:
- (i) Mengakui bahawa Penyelidikan adalah dibiayai oleh Universiti Sains Malaysia ataupun dibiayai secara bersama oleh Universiti Sains Malaysia;

Di dalam hal ini, contoh kredit yang telah dipersetujui oleh Jawatankuasa ialah:

Bahasa Malaysia

Penulis menghargai geran penyelidikan yang telah diberikan oleh Universiti Sains Malaysia, Pulau Pinang dan sehubungan dengan itu, artikel ini diterbitkan.

Bahasa Inggeris

The author acknowledges the research grant provided by Universiti Sains Malaysia, Penang that has resulted in this article.

- (ii) Tiga salinan penerbitan berkaitan mesti dikirimkan ke Bahagian Penyelidikan dan Pembangunan untuk tindakan selanjutnya.

- (iii) USM mempunyai opsyen pertama untuk menerbitkan bahan yang dihasilkan melalui projek ini. Ini akan dilakukan melalui Penerbitan USM dan keputusan untuk menerbitkan bahan ini akan dibuat dalam tempoh enam bulan.
- (b) Laporan kemajuan mestilah dikemukakan enam (6) bulan sekali selepas kerja penyelidikan dimulakan. Seterusnya laporan akhir (*format dilampirkan*) dan laporan komprehensif juga diperlukan di akhir tempoh kajian. Laporan-laporan ini perlu disampaikan kepada Bahagian Penyelidikan dan Pembangunan melalui Jawatankuasa Penyelidikan di pusat pengajian atau melalui Dekan/Pengarah Pusat Pengajian/Pusat masing-masing. Laporan akhir yang tidak lengkap atau tidak ditandatangani/diperakukan oleh Pengerusi Jawatankuasa Penyelidikan di pusat pengajian tidak akan diterima dan akan dikembalikan semula sehingga syarat tersebut dipenuhi. (*borang-borang tersebut disertakan bersama*)
- (c) Puan perlu membentangkan hasil penyelidikan di Seminar Pusat Pengajian.
- (d) Hasil penyelidikan ini perlu diterbitkan dan permohonan untuk mendapatkan geran penyelidikan selanjutnya hanya dapat dipertimbangkan jika maklumat tentang penerbitan hasil penyelidikan serta penerbitan berkaitan disertakan bersama.
- (e) Projek ini mestilah siap dalam tempoh satu(1) tahun mulai 15 DISEMBER 2000 sehingga 14 DISEMBER 2001.
- (f) Sekiranya kajian ini mendapati proses atau produk baru yang boleh dipatenkan, harap maklum ia perlu dilakukan melalui pihak Penyelidikan & Pembangunan.
- (g) Sekiranya alatan diluluskan di bawah geran ini, sila ambil perhatian pihak Penyelidikan & Pembangunan akan mengagihkan semula peralatan tersebut seandainya terdapat penyelidik-penyelidik lain yang memerlukan peralatan tersebut.
- (h) Sekiranya tuan/puan menerima tawaran geran ini, sila sahkan dengan mengembalikan satu salinan borang yang disertakan ke Bahagian Penyelidikan dan Pembangunan dalam tempoh satu minggu dari tarikh surat ini.

Sekian, saya ucapkan **"SELAMAT MAJU JAYA"**

Saya yang menjalankan tugas,


MAZULA SABUDIN
Setiausaha
Jawatankuasa Penyelidikan,
Universiti Sains Malaysia

S.k. Profesor Mafauzy Mohamed] untuk makluman tuan
Pengerusi

Jawatankuasa Sains Bio-Perubatan & Kesihatan
D/a Pusat Pengajian Sains Perubatan
Universiti Sains Malaysia
16150 Kubang Kerian
KELANTAN DARUL NAIM

Profesor Madya Zabidi Azhar M. Hussin] untuk makluman tuan
Dekan

Pusat Pengajian Sains Perubatan
Universiti Sains Malaysia
16150 Kubang Kerian
KELANTAN DARUL NAIM

Encik Zulkifli Mohamed] untuk tindakan tuan
Timbalan Bendahari] membuka akaun projek

Jabatan Bendahari
Kampus Cawangan Kelantan
Universiti Sains Malaysia
16150 Kubang Kerian
KELANTAN DARUL NAIM

./mwk

"New Challenges in Pharmacy Practice"

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Bayview Beach Resort, Penang
31 October - 2 November 2000

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Malaysian
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Universiti
Sains Malaysia



Ministry
Health Malaysia

Community Pharmacy Practice

The utilization of modern and traditional medicines by rural elderly Malays in Pahang and Kelantan

Ismail, Z., Kamaruzaman, W. S., Mohd. Hashim, M. H.

Pharmacology Department, Universiti Sains Malaysia, Health Campus, Kubang Kerian, Kelantan, Kulliyah Medicine, International Islamic University, Kuantan and Department of Community Medicine, Universiti Sains Malaysia, Health Campus, Kubang Kerian, Kelantan

Introduction

The elderly population of Malaysia is increasing due to improved health care services and decline in child mortality. Earlier NHMS survey reported that 2.3% of these elderly population used traditional medicines (during a 2 weeks-recall). The objectives of the study were:

1. To determine the health seeking behaviour of elderly Malays living in rural areas.
2. To determine the utilization of medicine of modern and traditional (2 weeks-recall).
3. To determine the steroid content of the traditional medicine.

Method

This is a cross-sectional study of elderly Malays living in rural areas in Pahang and Kelantan. All elderly aged > 60 years in these communities were included and data were collected using structured questionnaires. Samples of the medications collected were analysed for steroid content.

Results

A total of 396 elderly out of 795 were interviewed in both states whereby 94.9% in Kelantan and 5.1% in Pahang. Women were 63.9% and men 36.1% and that the 60-69 cohort group made up 50.8% followed by the 70-79 years of 33.8% and more than 80 years, 15.4% of the elderly group. In Pahang, the trend of utilization of modern and traditional medicine in the last 2 weeks among elderly Malays were that 40% and 75% while in Kelantan were 63.3% and 33.5% respectively. In Pahang, there were 53 samples collected and still 28 not analysed yet. Out of the 25 samples analysed, 88.0% contained steroids and 12% no steroid adulteration. In Kelantan, there were 13 out of 71 samples analysed and 2 contained steroids.

Conclusion

The study showed that the utilization of traditional medicine was 54.3% which was much higher than the previous study and similar to that of France and Australian studies. The study also found that some traditional medicines do contained steroids, such as prednisolone and dexamethasone.

Keywords

Elderly, Traditional Medicines, Malays, Utilization.

THE UTILIZATION OF MODERN AND TRADITIONAL MEDICINES BY RURAL ELDERLY MALAYS IN PAHANG AND KELANTAN

Ismail, Z., Kamaruzaman, W. S. and Mohd Hashim, M. H.

Pharmacology Department, The School of Medical Sciences, Universiti Sains Malaysia, Health Campus, Kubang Kerian, Kelantan; Kulliyah Medicine, International Islamic University, Kuantan and Department of Community Medicine, The School of Medical Sciences Universiti Sains Malaysia, Health Campus, Kubang Kerian, Kelantan.



1

INTRODUCTION/REVIEW LITERATURE

- ☐ In 1999, the life expectancy at birth for male was 69.6 years and female was 74.6 years (1).
- ☐ This increase will certainly need attention of all stakeholder in health.
- ☐ There is a need to study the health seeking behaviour of the elderly especially in the area of drug utilization (2).
- ☐ They use both modern and traditional but no record regarding the safety of this traditional medicine.

Zab 2002

Traditional Medicine in elderly

2

☐ Traditional medicine is a non-prescription drugs bought over the counter or by direct selling. It contain herbal/natural product which are consumed orally either as powder, tablet, capsules, caplets, emulsion, suspension, mixtures or boiled preparation (3).

☐ Modern medicine is a prescription drugs obtain from the physicians.

☐ The utilization of traditional medicines in other countries has shown a very high percentage of usage (4).

Zab 2002

Traditional Medicine in elderly

3

☐ Actually there are not many studies done on traditional medicines especially in Malaysian elderly group.

☐ National Health Morbidity survey in 1996 reported that 2.3% population seek care from traditional medicine (5).

☐ Other country shown very high proportion. For example:

1. France - 49%
2. USA - 33%
3. Hong Kong - 60%
4. Australia - 48.5%

Zab 2002

Traditional Medicine in elderly

4

LACUNA

☐ So we estimated that a big percentage of users of traditional medicines in Malaysia particularly elderly people.

Zab 2002

Traditional Medicine in elderly

5

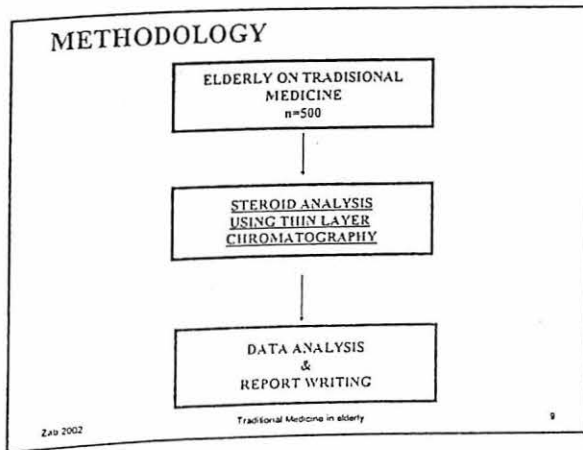
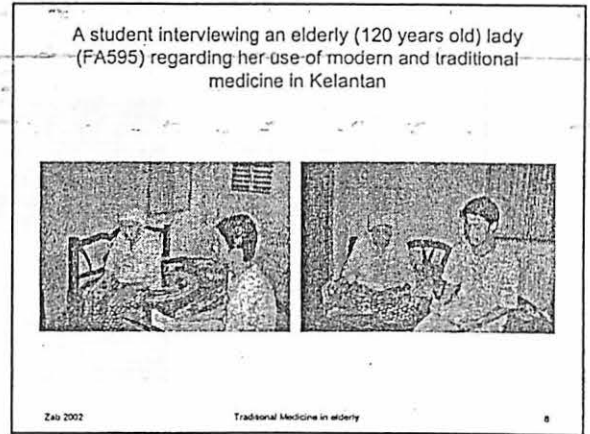
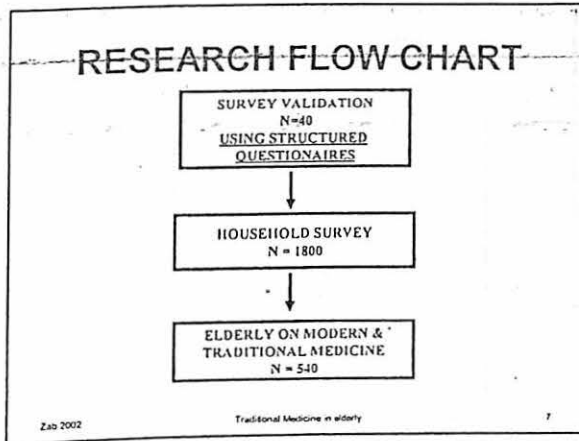
OBJECTIVES

- ☐ To determine the health seeking behaviour of elderly malays living in rural areas.
- ☐ To determine the utilization of medicine both modern and traditional (2 weeks-recall).
- ☐ To determine the steroids content of traditional medicine.

Zab 2002

Traditional Medicine in elderly

6



Steroids detection using TLC method

- ☑ Extract drug using reflux method with 10 ml 70% ethanol for 10 minutes
- ☑ Filtrate and dry it

Zab 2002 Traditional Medicine in elderly 10

Steroids detection using TLC method

- ☑ Make spot on TLC plate

Zab 2002 Traditional Medicine in elderly 11

Steroids detection using TLC method

- ☑ Prepare "mobile phase" i.e. Chloroform-Methanol-Water (64:50:10) and left it saturated for 30 minute and develop plate

Zab 2002 Traditional Medicine in elderly 12

Steroids detection using TLC method

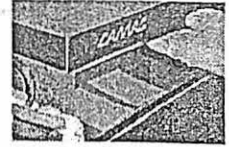
☑ Spray with:

- H₂SO₄ (5% acid in ethanol) followed by
- Vanillin (1% in ethanol)



Steroids detection using TLC method

☑ Visualise the band

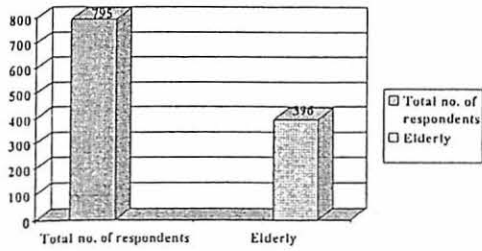


- ☑ Dry at temperature 110°C for 5 - 10 minutes.

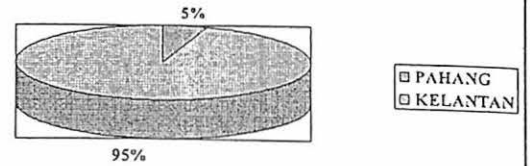


RESULTS

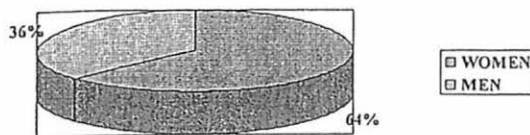
NUMBER OF RESPONDENTS IN PAHANG AND KELANTAN



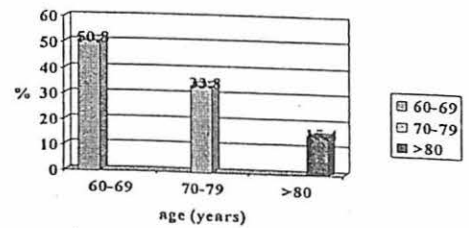
ELDERLY RESPONDENTS INTERVIEWED IN PAHANG AND KELANTAN

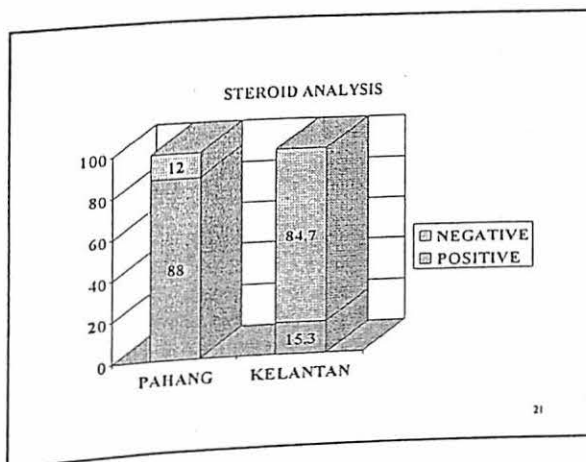
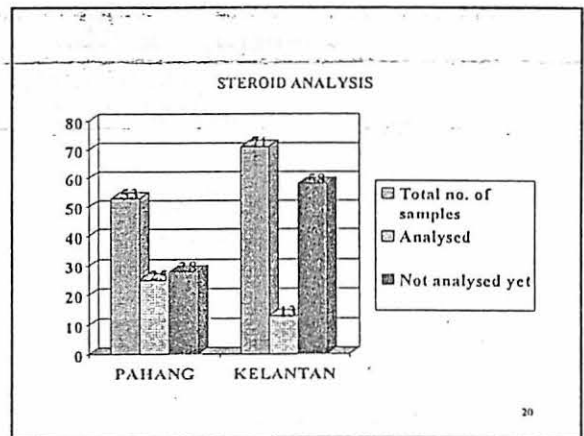
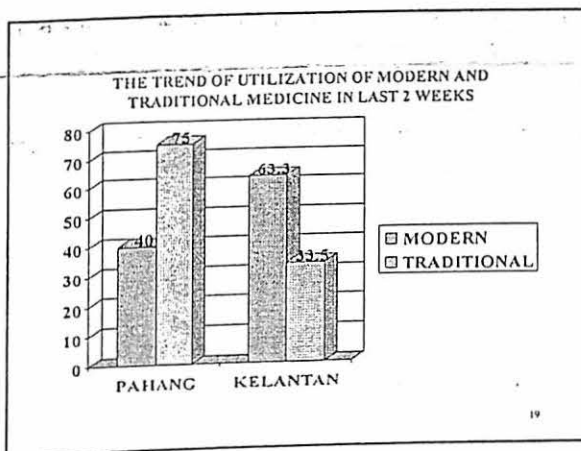


ELDERLY WOMEN AND MEN RESPONDENTS



Elderly age group





DISCUSSION

- ☐ Elderly male:female (36%:64%) (6)
- ☐ Comparatively in Pahang (75% vs 40%), more elderly take traditional than modern medicine compare to Kelantan (33.5% vs 63.3%) respectively
- ☐ Pahang and Kelantan, samples analysed 88% and 15% respectively contained steroids

Zab 2002 Traditional Medicine in elderly 22

CONCLUSION

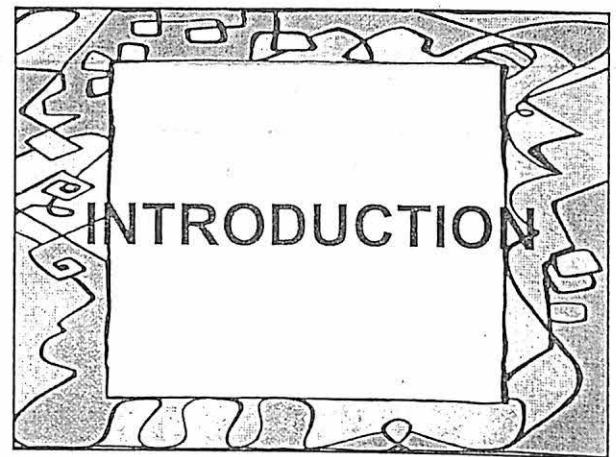
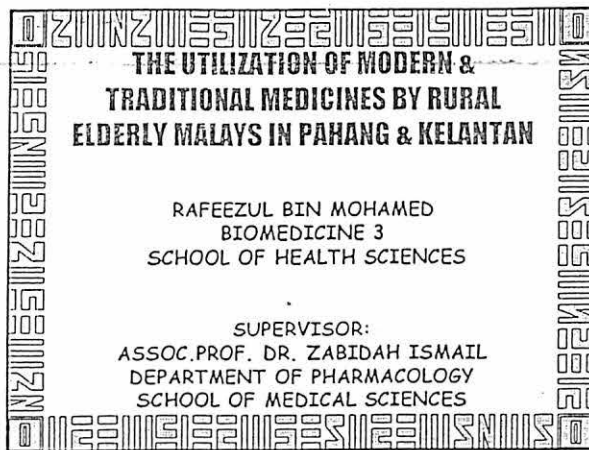
- ☐ The present study showed use of traditional medicine (TM) was 54.3% which was much higher than previous studies (6).
- ☐ Some TM do contain steroids such as prednisolone, dexamethasone, etc (7)
- ☐ Suggestion - The enforcement authority in the ministry of health (Drug Control Authority, DCA) need to validate the control, manufacturing and sale of traditional medicines.

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6. Personal communication - Abd Rahman Noor, Pharmacoeconomics, Ministry of Health, 2001
7. Abas Hussin (2001). Adverse effects of Herbs, Herbal-Drug Interaction. *J. Pharmacy* 1(2):39-44.

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INTRODUCTION

- The population of elderly people in Malaysia is increasing due to increase life expectancy at birth.
- In 1999, the life expectancy at birth for male was 69.6 years and female was 74.6 years (Year Book Of Statistic, 1999).
- This increase will certainly need attention of all stakeholder in health (Abu Bakar S, 2000).
- There is need to study the health seeking behaviour of the elderly especially in the area of drug utilization.
- They use both modern and traditional but no record regarding the safety of this traditional medicine.

Ref: 1. Year Book of Statistic, Malaysia 1999, Department of Statistic, Malaysia
2. Abu Bak S. "Towards Greater Integration in Health and Promotion of Smart Partnership," Presidengin RUMK, Feb, 2000.

- Traditional medicine is non prescription drugs bought over the counter or by direct selling that contain herbal/natural product which are consumed orally either as powder, tablet, capsules, emulsion, mixtures or boiled preparation (Muhamad and Mustafa, 1994).
- Modern medicine is prescription drugs obtain from the physicians (Muhamad and Mustafa, 1994).
- The utilization of traditional medicines in other countries has shown very high percentage (Mohamad TA, 2000).

Ref: 1. Mohamad TA, "Public-Private Integration at First Point of Contact," Presidengin RUMK, Feb, 2000.
2. Mohamad Z and Mustafa AM, Traditional Malay Medicinal Plants, (1994)

REVIEW OF LITERATURE

- Actually there are not many studies done on traditional medicines especially in Malaysian elderly group.
- The book "Health and Aging in Malaysia" edited by Chen P.C.Y in 1986 regarding the use of medications stated that 29% took traditional medication either Malay herbal medicines or Chinese herbal medicines.
- National Health Morbidity survey in 1996 reported that 2.3% population seek care from traditional medicine (Mohamad TA, 2000).

Ref: 1. Mohamad TA, "Public-Private Integration at First Point of Contact," Presidengin RUMK, Feb, 2000.
2. Chen P.C.Y, "Health and Aging in Malaysia", 1986.

- Other country shown very high proportion.
For example:
1. France - 49%
 2. USA - 33%
 3. Hong Kong - 60%
 4. Australia - 48.5%

LACUNA

- So we estimated that a big percentage of users of traditional medicines in Malaysia particularly elderly people.

OBJECTIVES

- To determine the health seeking behaviour of elderly Malays living in rural areas.
- To determine the utilization of medicine both modern and traditional (2 weeks-recall).
- To determine the steroids content of traditional medicine.

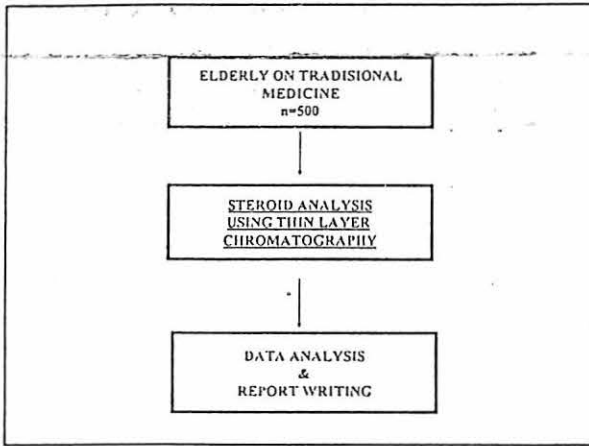
METHODOLOGY

RESEARCH FLOW CHART

SURVEY VALIDATION
N=40
USING STRUCTURED
QUESTIONNAIRES

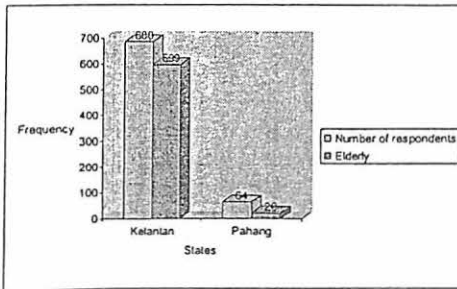
HOUSEHOLD SURVEY
N=1800

ELDERLY ON MODERN &
TRADITIONAL MEDICINE
N=540

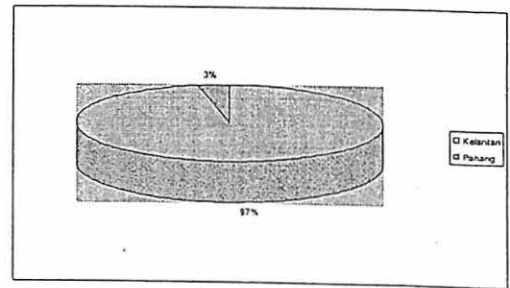


RESULTS

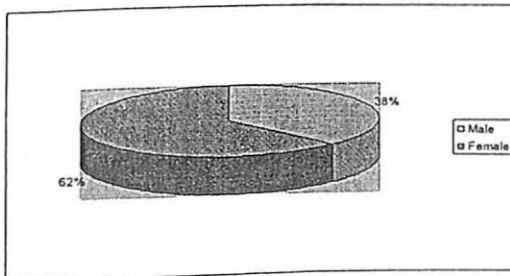
The number of available data and elderly



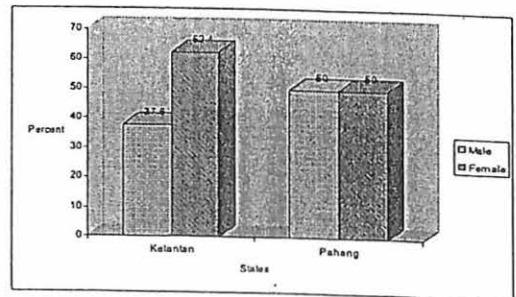
Elderly respondents in both states



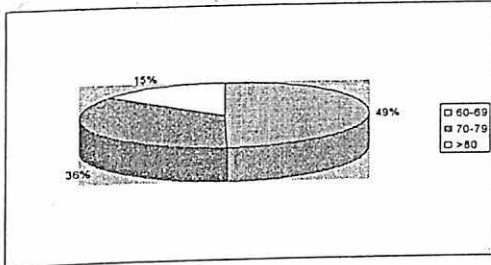
Sex of elderly respondents



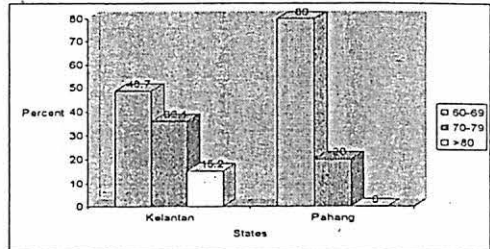
Sex of elderly respondents in both states



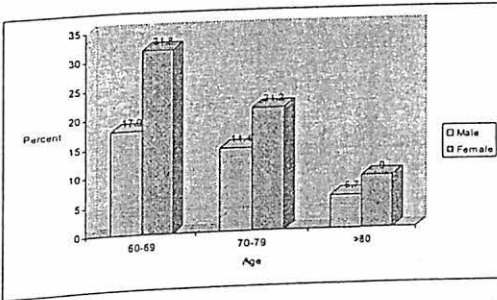
Age of elderly respondents



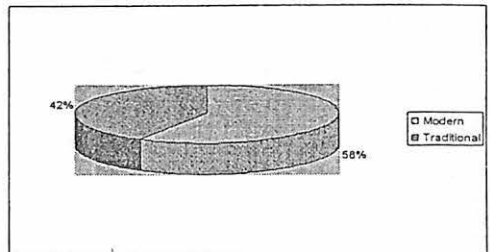
Age of elderly respondents in both states



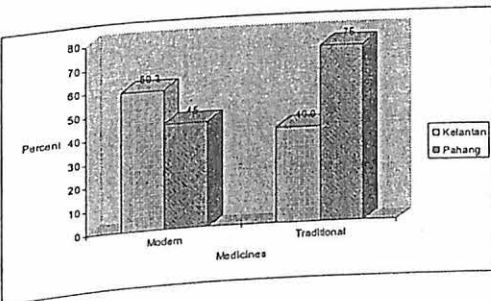
Age of elderly respondents regarding sex



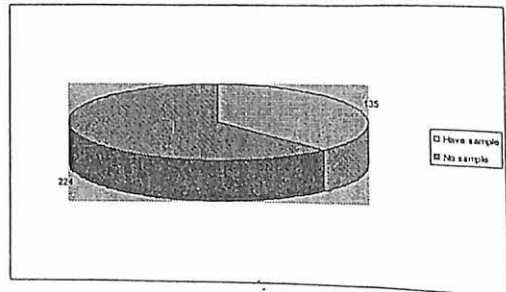
The utilization of both medicines among elderly



The trend of utilization of modern and traditional medicines in both states



The samples of traditional medicine

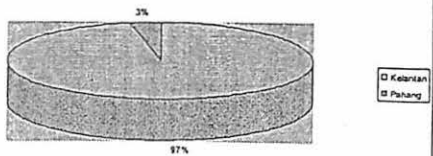




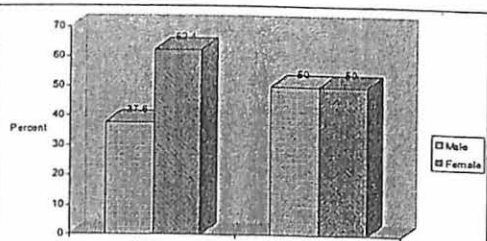
RESULTS

RESULTS

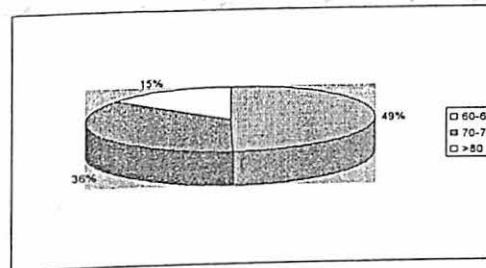
Elderly respondents in both states



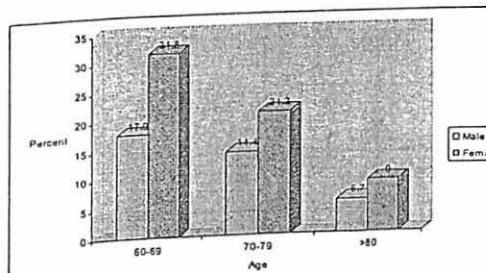
Sex of elderly respondents in both states



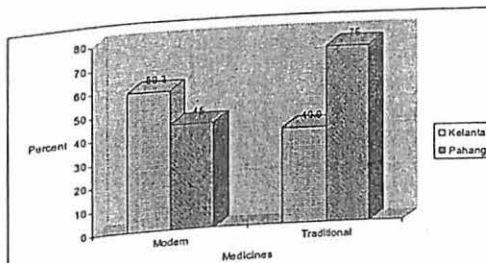
Age of elderly respondents



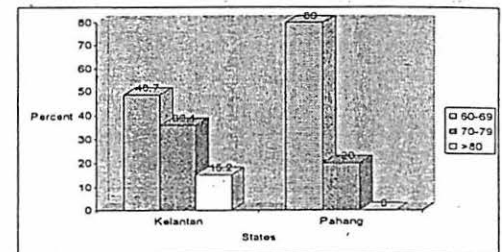
Age of elderly respondents regarding sex



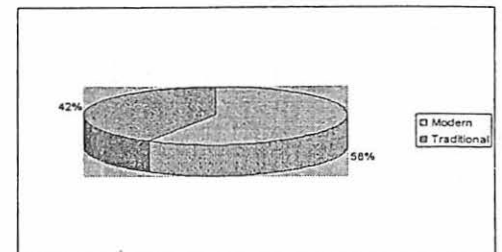
The trend of utilization of modern and traditional medicines in both states



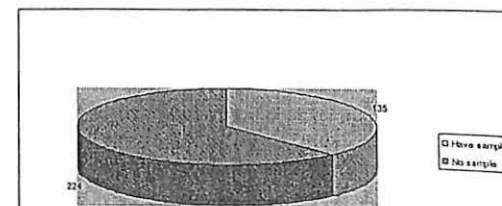
Age of elderly respondents in both states

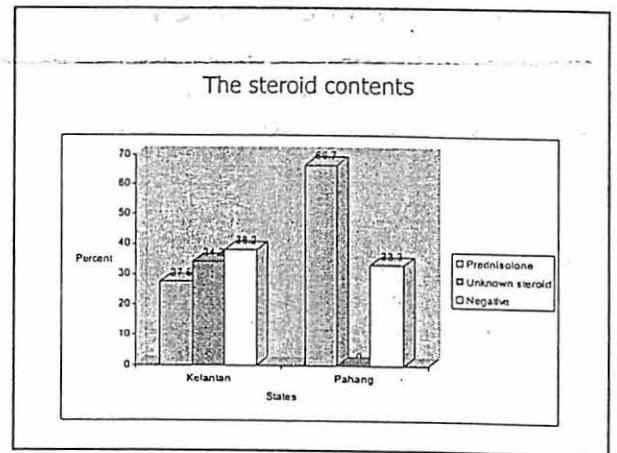
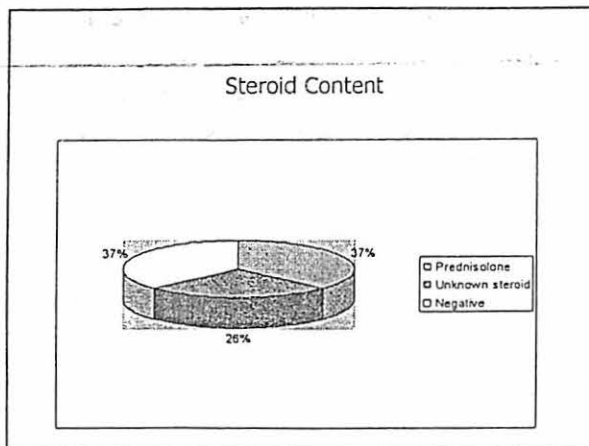


The utilization of both medicines among elderly



The samples of traditional medicine





DISCUSSION

DISCUSSION

- The number of elderly respondents were higher in Kelantan than Pahang because Kelantan was the main center of the study.
- Female comprise the higher percentage than male. The finding related to the increase life expectancy at birth in our country.
- The life expectancy at birth increase from 69.1 years old to 69.7 years for male and 73.6 years old to 74.3 years for female in 1993 to 1996.

Ref: 1. <http://www.MAMJ.com>

- Among the elderly Malay resided in rural areas, finding shows that majority of them was age between 60 till 69 years old, followed by age 70-79 and the lowest was age above 80 years.
- At age 60-69 years old, they are still in the early elderly stage and have less health problem rather than elderly who aged above 70 years old (middle elderly) and above 80 years old (later elderly).
- Female elderly comprises the highest frequency in every level of age. It revealed that female are dominant in elderly population.

- This finding related with information reported by Chan, 1995 that the difference of sex ratio between aged 60-64 years old in 1980 was 959 male for every 1000 female and would reduce to 882 male for every 1000 female in 2020. Meanwhile, at the age 80 years old and above, the ratio was 838 male for every 1000 female in 1980 and would reduce to 627 male for every 1000 in the year 2025.
- Regarding the utilization of medicines among elderly Malay, the study revealed that the modern medicine still the first choice among elderly to cure their diseases than traditional medicine.

Ref: 1. <http://www.MAMJ.com>

The modernization and the efficiency of health care system in Malaysia such as hospital facilities and the ability of local doctors also enhance them to get treatment at hospital or private clinics and used prescribed medicines.

- However, the traditional medicine be the alternative to the elderly Malay to cure their disease.
- The availability of traditional medicines in any shops without any prescription from doctors encouraged the elderly Malay to utilize traditional medicines.

Beside that, some of the elderly maybe attracted with the advertistment gimmic by the seller which said that their drug had miracle power to cure the diseases.

- Some of traditional medicines contaminated with prednisolone and unknown steroid.
- Prednisolone is commonly used as mixture in the traditional medicine and the appearance of prednisolone will weaken the body's immune response and reduce the ability to fight infection by bacterial, viral or fungal.

- The other unknown steroids detected in the analyzed traditional medicines maybe dexamethasone or natural steroid existed in plants.
- Meanwhile, the negative results revealed that this traditional medicine do not contaminated with any contaminants especially steroids.



CONCLUSION

CONCLUSION

- The present study showed that the utilization of traditional medicine among elderly Malay was 42% which was much higher than previous studies.
- This percentage nearly similar with the percentage of use traditional medicine in France (49%) and Australia (48.5%).
- This study also revealed that some traditional medicines do contained steroids or other unknown steroids which confirmed the report that some of traditional medicines are contaminated with steroids.



REFERENCES

REFERENCES

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8. <http://w.w.w.MAIN.htm>

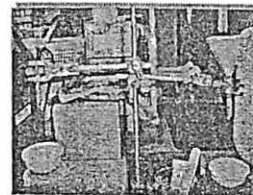
Thank YOU



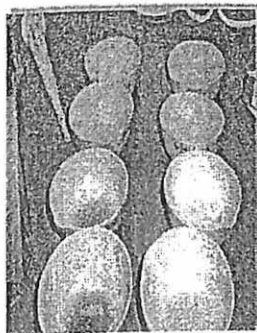
A student during interviewed with an elderly respondent regarding her use of modern and traditional medicine in Kelantan



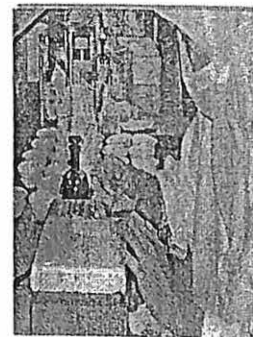
Thin Layer Chromatography



- Extraction phase which involved 5 solutions
- 5ml hot water
- warm ethanol
- n-butanol
- diethyl-ether
- chloroform



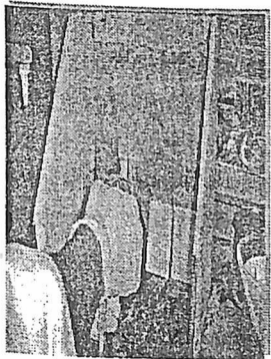
- Extraction products after extraction
- 5 difference solutions used to find the best extraction.
- The extraction products dried on magnetic stirrer hot plate.



- The extraction products and control spotted on TLC plate.
- This process applied with glass capillary.
- It was done on magnetic stirrer hot plate to keep spots as small and compact as possible.



- Glass TLC development tanks had a ground-rim which forms an airtight seal with a glass cover plate.
- The mobile phase consist chloroform, methanol and water with ratio 64:50:10.
- The chromatogram was allowed to develop 10 cm from origin



- The TLC plate was placed under the fume hood because the spray reagents were extremely toxic.
- Sprayed firstly with 5% H_2SO_4 in ethanol (5 ml H_2SO_4 in 95 ml absolute ethanol)
- Followed by 1% vanillin in ethanol (1g in 100 ml absolute ethanol)



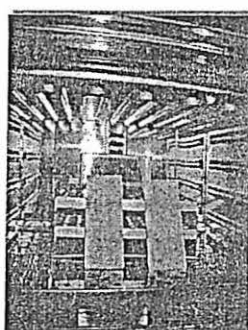
- Glass TLC development tanks had a ground-rim which forms an airtight seal with a glass cover plate.
- The mobile phase consist chloroform, methanol and water with ratio 64:50:10.
- The chromatogram was allowed to develop 10 cm from origin



- Recognized the position of substances spots under UV scanner.
- Fluorescence indicators were excited at 254 nm or at 366 with mercury lamp.



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- Sprayed firstly with 5% H_2SO_4 in ethanol (5 ml H_2SO_4 in 95 ml absolute ethanol)
- Followed by 1% vanillin in ethanol(1g in 100 ml absolute ethanol)



- After the spray process, the TLC plate were left in the oven at temperature 110°C for 5 till 10 minutes.



PREDNISOLONE CONTENT IN TRADITIONAL MEDICINES

ABSTRACT

An earlier National Health Morbidity survey in 1996 reported that 2.3% of elderly population utilized traditional medicines during a two weeks recall. However, data from other countries has shown a much higher percentage with 49% in France, 33% in USA, 24% in Denmark, 60% in Hong Kong and 48.5% in Australia. It is assumed that the utilization of traditional medicine in Malaysia will be much higher than previous study. Beside that, some of traditional medicines available in our markets contained other contaminants such as steroids, dexamethasone, local anaesthetics, hormones and other poisons. Thus, objectives of the study were to determine:

1. The health seeking behaviour of elderly Malays living in rural areas.
2. The utilization of both modern and traditional medicines (2 weeks recall).
3. The steroid content of the traditional medicine.

Methodology includes a cross sectional study of elderly Malays living in rural areas in Kelantan. All the elderly Malays aged above 60 years old in these communities included and data collected using structured questionnaires. Samples of traditional medications collected and sent to the Pharmacology Department, School of Medical Sciences, USM for steroid content analysis using Thin Layer Chromatography method.

Results of the study showed that the total of 599 elderly out of 688 respondents interviewed in Kelantan. Female were 62.4% and male 37.6%. The 60-69 cohort group made up 48.7% followed by the 70-79 years of 36.1% and 15.2% of more than 80 years. There were 82% of elderly Malays consumed medicine without considering types. The trends of utilization of modern and traditional medicine in last two weeks among elderly Malays in Kelantan were 59.3% and 40.9% respectively. There were 102 samples of traditional medication collected and analysed for steroid content. Results showed that 27.5% positive for prednisolone, 34.3% positive for unknown steroid and 38.2% negative for both steroids.

Thus the study showed that the utilization of traditional medicine was 40.9% which was much higher than previous study and nearly similar to that France and Australia studies. The present study also found that some traditional medicines consumed by elderly do contained steroids such as prednisolone and other unknown steroids which confirmed the report that some traditional medicines are contaminated with steroids.

JABATAN BENDAHARI
UNIVERSITI SAINS MALAYSIA

KAMPUS KESIHATAN KELANTAN
GERAN PENYELIDIKAN UNIVERSITI JANGKA PENDEK
PUSAT PENGAJIAN SAINS PERUBATAN
(304/PPSP/6131134)

Appendix K

PENYELIDIK : PROF(M) ZABIDAH ISMAIL

NAMA PROJEK : "THE UTILIZATION OF MODERN AND TRADITIONAL MEDICINES BY RURAL ELDERLY MALAYS IN PAHANG AND KELANTAN"

Mazula

PENYATA PERBELANJAAN BAGI TEMPOH BERAKHIR PADA 31 DISEMBER 2002

PECAHAN KEPALA	PERUNTUKAN (RM)	PERBELANJAAN 2001	BAYARAN 2002	TANGGONGAN	PERBELANJAAN 2002	JUMLAH PERBELANJAAN	BAKI KESELURUHAN
11000 GAJI DAN UPAHAN	10,400.00	4,111.05	5,128.80	0.00	5,128.80	9,239.85	1,160.15
14000 ELAUN LEBIH MASA	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15000 BONUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21000 PERJALANAN & PENGANGKUTAN ORANG	1,180.00	0.00	1,260.20	0.00	1,260.20	1,260.20	(80.20)
22000 PENGANGKUTAN BARANG-BARANG	50.00	0.00	0.00	0.00	0.00	0.00	50.00
23000 PERHUBUNGAN DAN UTILITY	300.00	4.20	9.03	0.00	9.03	13.23	286.77
24000 SEWAAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25000 BAHAN-BAHAN MAKANAN & MINUMAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26000 BEKALAN BAHAN-BAHAN MENTAH & BAHAN PEMBAIKAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27000 BEKALAN BAHAN-BAHAN LAIN	4,520.00	5,382.40	1,569.50	55.00	1,624.50	7,006.90	(2,486.90)
28000 PENYELENGARAAN & PEMBAIKAN KECIL YANG DIBELI	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29000 PERKHIDMATAN IKTISAS & LAIN-LAIN PERKHIDMATAN & HOSPITALITI	3,550.00	1,191.05	1,047.50	0.00	1,047.50	2,238.55	1,311.45
35000 LAIN-LAIN HARTA MODAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
JUMLAH BESAR	20,000.00	10,688.70	9,015.03	55.00	9,070.03	19,758.73	241.27