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# Inventing and validating Questionnaires (Muslim Doctor Questionnaire (MDQ) & Muslim Medical Student Questionnaire (MMSQ))

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## Background:

International Islamic University Malaysia has pioneered the model of Islamic Input into Medical Program (IIMP). This is part of the main objective to enhance the affective domain in our curriculum. In order to evaluate the effectiveness of IIMP programme, it is important to an assessment tool. Once Kulliyah is able to prove the effectiveness of IIMP, it is hope IIUM Kulliyah of Medicine would be a role model in development of Islamic Medical Curriculum. At the moment there is not a single medical Islamic scale available. This we hope will be the pioneer of all.

## Objectives:

1. To invent new questionnaires called MDQ & MMSQ that will be reliable and validated for the Muslim doctors and medical students respectively.
2. To assess the good Muslim values in various academic years.
3. To assess pre- and post- input of Islamic curriculum

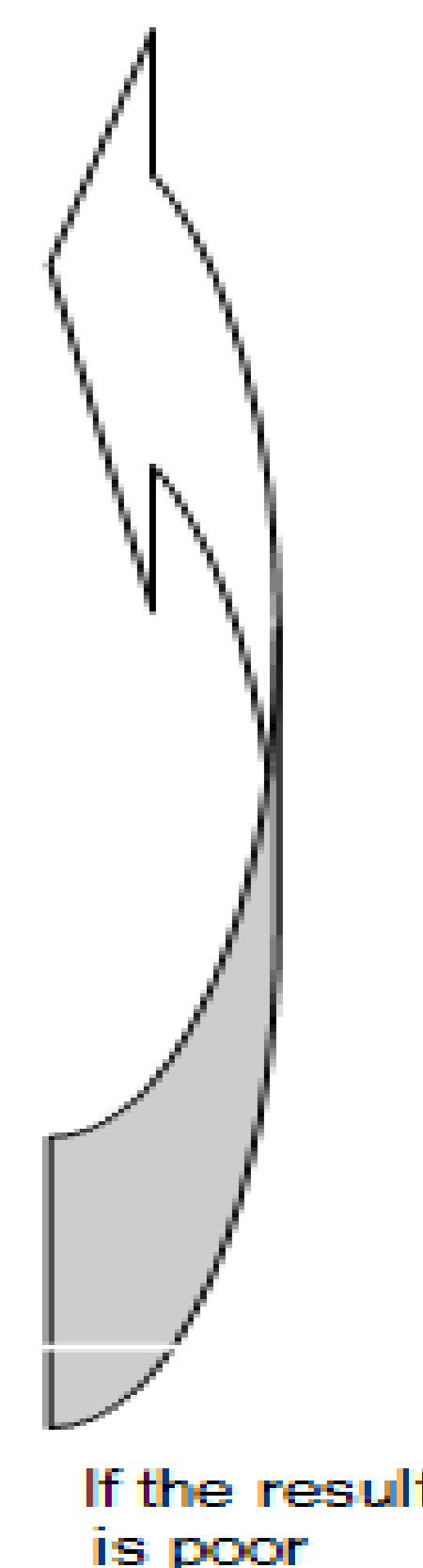
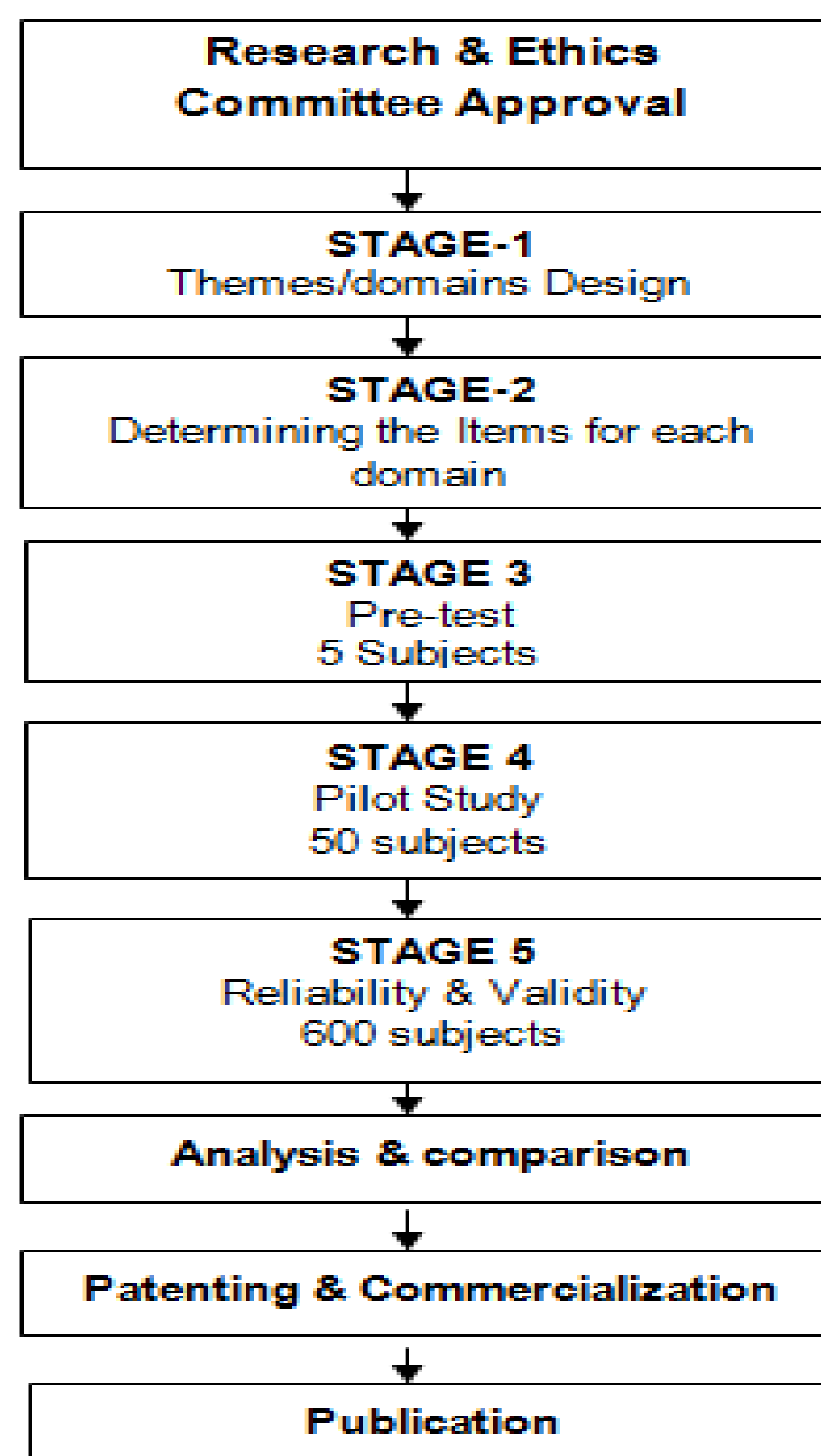
## Knowledge, Attitude, & Practice aspects on these domains;

1. Religiosity, Aqidah – (knowledge, practice)
2. Knowledge of Relevant Medical Fiqh (knowledge), Ibadah (Rukhsah)
3. Communication Skill – (attitude, practice)
4. Behavior
5. Professionalism
6. Clinical Competence.
7. Islamic Ethics, Islamic Medical Jurisprudence,
8. Outward Manifestation
9. Sincerity, Akhlak
10. Morality, Confidentiality

## MEASUREMENT

The questionnaires were constructed to reflect the following flow:

		Domain/tested area
1	I do not see the need to inculcate spiritual values in my medical practice	Spirituality Comprehensive
2	Constant request for an update from either patient or family members should not be encouraged.	Communication
3	The concept of Maqasid Syariah should be applied to problematic cases encountered in clinical medicine.	Islamic Medical Jurisprudence
4	I consciously adopt Islamic values when dealing with my patients	Islamic Ethics
5	When revealing the diagnosis of HIV to a patient, I believe it should be done in private.	Confidentiality
6	Medical confidentiality is important in my practice	Confidentiality
7	My work as a doctor is an Ibadah	Conviction
8	I feel that the good work that I do is not well rewarded.	Honesty
9	I work mainly for the salary.	Sincerity



If the result is poor

## Results;

A total of 468 participants among students;. Reliability; Cronbach's alpha of 0.91 and 8 domains were identified by using explanatory factor analysis with Varimax rotation. Validity; From items, 75% had good factor loading (>0.4). Therefore these 2 questionnaires are valid and reliable.

		Reasons/answer/argument
1	There are 4 pillars in Maqasid Syariah	Wrong
2	"Aqal" is one of the pillars in Maqasid Syariah	Yes
3	A Muslim female patient should only see a female gynaecologist.	NO. A. If available, same sex health care providers are encouraged but, if not available and in life saving situations,
4	Islam encourages a 3-month pregnant mother to fast during Ramadhan provided there is no medical problems	YES. It is preferable that you utilize God's granted exemption and do not fast. Your baby is dependent on you for his or her nutrition and hydration.
5	In any circumstances, Muslim patients can take medications which contain pig by- products.	A. No, Muslims should not take these medicines unless they are life saving drugs and no substitute is available.
6	Taking oral medication while fasting will not break the fast.	Answer ; wrong
10	Sunnat Dhuha prayer is performed in middle of the night.	wrong
11	The concept of Ruksah is applied to simplify the performance of prayers during difficult situations.	Yes
12	Performance of Tayammum involves 4 body parts.	Wrong
13	Fasting is encouraged on Tuesday and Friday	Wrong ; Answer; Monday & Thursday
14	Surah Al-Fatihah is also known as a healing surah.	Yes
15	A false Hadith is also known as Hadith Dhoif (weak)	Wrong
16	The use of Qada' in performing prayers is applicable when it involves a long operation hours.	Wrong