





THE 1st INTERNATIONAL CONFERENCE
ON SAFETY & PUBLIC HEALTH

LCOULABORATION FOR YANDRUBLIGHEA

Virtual Conference 3-4 September 2020





Dra. Hj. Ida Fauziyah M.Si. (Minister of Manpower



(Governor of South Sulawesi)



Prof. Dr. Ir. M. Nurdin A., M.Agr Prof. Dr. Dwia Aries Tina P., MA (Rector of Hasanuddin University)



Prof. Dino Pisaniello, Ph.D Prof. Doo-Yong Park, Dr.PH, CIH Dr. Ismaniza Ismail, Ph.D (Professor in Occupational and Environmental Hygiene, University of Adelaide)



(Korea Occupational Safety and Health Agency (KOSHA) President)



(Senior Lecturer, Universiti Teknologi MARA)



Ms. Michiko Miyamoto (International Labour Indonesia)



A/Prof. Paul Rothmore, Ph.D (Senior Lecturer in Occupational Health University of Adelaide

Mila Tejamaya, SSi, MOSH, Ph.D (President of Indonesian Industrial Hygiene Association)





Yahya T, SKM, M.Kes, MOHS, Ph.D (Head of OSH Department, Faculty of Public Health, Hasanuddin

Supported by:













$Global \ collaboration \ for \ safety \ and \ public \ health \ (Ebook)$

ICOS-PH

Makassar : © 2020 Copyright © einstein medical 2020 All right reserved

Layout : Tim ICOS-PH
Design Cover : Tim ICOS-PH
Penanggung Jawab Naskah : Tim ICOS-PH

Ebook Terbit Pertama Kali , September 2020 144 hlm; 21x29 cm ISBN 978-623-6714-28-7 (PDF)

Diterbitkan oleh Penerbit Nas Media Pustaka
CV. Nas Media Pustaka
Anggota IKAPI
No. 018/SSL/2018
Jl. Batua Raya No. 550 Makassar 90233
Telp. 0813-8002-3737
redaksi@nasmediapustaka.id
www.nasmediapustaka.co.id
nasmedia.id
Instagram: @nasmedia.id
Fanspage: Nasmedia.id

Table Of Contents

No	Title	Author	Institution/ University	Page
1	Legal Protection Of Labor Fatigue	Indar	Universitas Hasanuddin	12
	In The Production Part Of Pt.			
	Maruki International Indonesia Makassar			
2	Public Perception Toward Local	Yusma Indah Jayadi	UIN Alauddin	13
	Food And Macro Nutrient		Makassar	
	Content Of Kaledo			
3	The Effect Of Leadership Styles	Suci Rahmadani	Universitas Hasanuddin	14
	Toward Organizational Climate And Job Satisfaction Of Nurses In			
	Era Of National Health Insurance			
	In Public Hospital Makassar City			
4	Outcome Of Acute Head Injury	Sekplin Sekeon	Universitas Sam	15
	Due To Road Traffic Accident: Its		Ratulangi	
	Association With Interleukin-10			
5	Social, Economic, and Cultural	A. Rizki Amelia	Universitas Muslim	16
	Interactions among Tuberculosis Patients in the Slums of Makassar		Indonesia	
	City			
6	The Roles Of Health-Promoting	Titin Nasiatin	Universitas Faletehan	17
	Media In The Clean And Healthy		Kramatwatu Serang	
	Living Behavior Of Elementary			
	School Students			
7	Artificial Intelligence In	Sri Sunarti	Universitas	19
	Healthcare: Oppurtinities And Risk For Future		Muhammadiyah Kalimantan Timur	
8	The Association Between	Andiko Nugraha Kusuma	Universitas Faletehan	20
	Environmental Tobacco Smoke	1		
	Exposure And Child Nutrition On			
	Childhood Respiratory Disease			
9	Evaluation Context And	Sirajuddin	Universitas Hasanuddin	21
	Mechanisms Of Stunting Intervention In Locus Area: A			
	Systematic Review			
10	The Influence Of Information	Marniati	Universitas Teuku	22
	And Culture To Work Safety		Umar	_
	Risks In Fishermen			
11	The Effect Of Substituting Carrots	Syarfaini	UIN Alauddin	23
	(Daucus Carota L.) Into Tempeh		Makassar	
	Brownies On The Intake Of Protein Energy Deficiency In			
	Protein Energy Deficiency In Indonesia			
12	Who Is More Likely Being	I Gusti Ngurah Edi Putra	University Of	24
	Lonely? Is Loneliness Associated	- 20001 1 0011 0011 0011	Wollongong	
	With Suicidal Behaviours Among			
	Indonesian Adolescents? Findings			

	From The 2015 GSHS			
13	Risk Factors Of Stroke	Syarfaini	UIN Alauddin	25
	Occurrence In Health Institution		Makassar	-
	Employees Who Check Up At			
	The Health Service Expo Event			
	Indonesia			
14	Mapping Healthy Lorong In	Sukri Palutturi	Universitas Hasanuddin	26
	Makassar City, Indonesia:			
	Implications For Community			
	Empowerment			
15	An Overview Of Implementation	Adriana Palimbo	Universitas Hasanuddin	27
	Of The Continuity Of Care Model			
	In Maternal Health Services: A			
	Literature Review			
16	Effects Of Giving Saturated And	Abdul Salam	Universitas Hasanuddin	28
	Unsaturated Fats To Cholesterol			
	Levels And Weight Gain In Rats			
17	How To Detect Healthcare Fraud	Andi Yaumil Bay R	Universitas Dayanu	29
	? "A Systematic Review"	Thaifur	Iksanuddin	
18	Political Commitment Of Local	Amran Razak	Universitas Hasanuddin	30
	Government In Handling Stunting			
	During The Covid-19 Pandemic:			
	A Case Study Of Enrekang			
	District			
19	The Relationship Of Posture	Fatmawaty Mallapiang	UIN Alauddin	31
	Working With Musculosceletal		Makassar	
	Disorders (Msds) In The Lipa			
	'Sa'be Mandar Weaver West			
20	Sulawesi Indonesia	Maralana	Universitas Hasanuddin	22
20	The State Responsibility On Food	Maskun	Universitas Hasanuddin	32
21	Security On The Pandemic	Dana Warih Cayatri	Linivansitas Nagani	22
21	Smoking Habits, Consumption	Rara Warih Gayatri	Universitas Negeri	33
	Patterns, And Systemic Diseases And Their Effects As Risk Factors		Malang	
	On Periodontal Disease Among			
	The 19-64 Age Group In The			
	Community Health Centers Of			
	Malang City			
22	Safety Risk Assessment In	A. Muflihah Darwis	Universitas Hasanuddin	34
	Construction Projects	11. Ividiiiidii Dui W15	Sin Orbital Habanadani	51
23	The Effect Of Giving Moringa	Masyitha Muis	Universitas Hasanuddin	35
	Leaf Extract To Pregnant Women	y		
	Informal Sector			
	Workers On DNA Damage			
24	Psychological Fatigue Among	Lalu Muhammad Saleh	Universitas Hasanuddin	36
	Employees Air Traffic Controller			-
	In Indonesia			
25	Ecological Risk Assessment Of	Annisa Rauf Utami	Universitas Hasanuddin	37
	Hexavalent Chromium And			
	Silicon Dioxide In Well Water In			

	Maros Regency, Indonesia			
26	Meta Synthesis Mobile Health	Mesra Rahayu	Universitas Hasanuddin	39
20	Education of Healthy Lifestyle	wiesia Kanayu	Chiversitas Hasanddani	3)
	For Visual Impairment			
27	Assessment Of Heavy Metals	Ratna Dwi Puji Astuti	Universitas Hasanuddin	40
21	Pollution And Ecological Risk	Ratila Dwi Fuji Astuti	Oliveisitas Hasaliudulii	40
	Level In Well Water In The			
	Pangkajene Watershed Area, Indonesia			
28		Sukri Palutturi	Universitas Hasanuddin	41
28	Principles And Strategies For Lorong Communities	Sukri Palulluri	Universitas Hasanuddin	41
	1			
20	Makassar Healthy City, Indonesia Stunted and Stimulation Affect	Hasan Basri	Universitas Hasanuddin	42
29		nasail Dasii	Oniversitas Hasanuudin	42
	Child Development in Jeneponto District, Indonesia			
30	Chemical Composition Of	Voni Hodin	Universitas Hasanuddin	43
30	_	Veni Hadju	Oniversitas masanuddin	43
	Moringa Oleiferra And Honey From Three Different Areas In			
31	South Sulawesi, Indonesia Influence Of Infrastructure	Susy Sriwahyuni	Universitas Teuku	44
31	Facilities, Population Density And	Susy Sirwanyum	Universitas Teuku Umar	44
	Officers On Waste Water		Omai	
	Disposal In Community			
	Environment			
32	Analyzing The Use Of Pesticides	Hamka	STIKES Maluku	45
32	On Health Complaints Of Farmers	Hanika	Husada	43
	In Waihatu Kairatu West Village,		Tiusada	
	Indonesia			
33	Mother's Behaviour In	Fairus Prihatin Idris	Universitas Muslim	46
33	Breastfeeding In Gowa Regency,	Tanus Timatin Tans	Indonesia	70
	South Sulawesi (Study On		madnesia	
	Mothers With Insufficient			
	Breastmilk Production)			
34	A Study Of Predictive Factors	Kresna Febriyanto	Universitas	47
	Comparison With Work Fatigue		Muhammadiyah	• •
	Among Firefighters		Kalimantan Timur	
35	Intervention Model Of	Lalu Muhammad Saleh	Universitas Hasanuddin	48
	Psychological Fatigue			
	Management			
	Among Air Trafic Controller			
	(Atc) Employee In Indonesia: A			
	Qualitative Study			
36	Good Corporate Governance	Sukri Palutturi	Universitas Hasanuddin	49
	Concept Of Hospital In National			
	Health Insurance (Jkn) Era In			
	South Sulawesi Province			
37	The Relationship Between	Ahmad Yani	Universitas Hasanuddin	50
	Adolescent Risk Behavior In			
	Drug Abuse: Literature Review			

38	Risk Factor And Interventions	Marni	Universitas Hasanuddin	51
30	Behavioral Changing Strategy In	TVIAIIII	Oniversitas Hasanadani	31
	Acceleration Of Stunting			
	Prevention "A Systematic			
	Review"			
39	Work Risk Management In Duta	Ishalyadi	Universitas Teuku	52
	Stainless Welding Workshop	Isharyadi	Umar	32
40	Collaboration In Handling Covid-	Muhammad Iqbal Latief	Universitas Hasanuddin	53
	19 Toward People In Poverty Line	1/10/10/10/10 14/00/1 20010 1		
	(Study Case In Makassar)			
41	The Effect Of Using Medula	Suharni A. Fachrin	Universitas Muslim	54
	Spinalis Belt (MSB) Against		Indonesia	
	Complaints Of Low Back Pain			
	(LBP)			
42	Factors Related To Smoking	Muhammad Ryman	Universitas Hasanuddin	55
	Habits Of Children Under 18	Napirah		
	Years Old In The Working Area	T .		
	Of Birobuli Public Health Center			
43	Determinants of Voluntary	Muhammad Yusran	Universitas Hasanuddin	56
	Counseling and Testing (VCT)	Amir		
	HIV Utilization Among Pregnant			
	Women in Jumpandang Baru			
	Health Center			
44	Home Sanitation Facilities And	Agustina	Poltekkes Kemenkes	57
	Prevalence Of Diarrhea For	C	Kupang	
	Children In Oelnasi Village,			
	Kupang Tengah Sub-District			
45	Implementation Of Clts Program	Ragu Theodolfi	Politeknik MoH	58
	In Odf And Non Odf Villages	-	Kupang	
	Using Participatory Approach In			
	Sumba Timur Regency East Nusa			
	Tenggara			
46	Capacity Of Lung Function For	Olga Dukabain	Poltekkes Kemenkes	59
	Furniture And Sawmill Workers		Kupang	
	In Kupang City 2019			
47	Good Corporate Governance	Sukri Palutturi	Universitas Hasanuddin	60
	Concept Of Hospital In National			
	Health Insurance (Jkn) Era In			
	South Sulawesi Province			
48	Religious Coping On Women's	Azriful	UIN Alauddin	61
	Cancer Survivors		Makassar	
49	Exposure Analysis Of Lead (Pb)	Ari Widyantoro	Universitas Islam	62
	And Chromium (Cr) In		Indonesia	
	Workplace Workshop Pt. X			
50	Compliance With An Order In	Bs Titi Haerana	UIN Alauddin	63
	Prevention Of COVID-19 In			
	Daily Activities Among			
	Adolescents During Pandemic In			
	South Sulawesi Province,			
	Indonesia			

51	COVID-19 Risk Level On Daily	Bs. Titi Haerana	UIN Alauddin	64
	Activities And Its Difference Between Sex In Indonesia			
52	Monotony (Work Variety) And	Gusti Firdha Amalia	Universitas Lambung	65
	Occupational Fatigue Among		Mangkurat	
52	Non-Technical Workers On Pt. X	C 'D 1 1 '	TT ' '/ TT 11'	
53	Referral System Implementation Of BPJS Health Patients In	Suci Rahmadani	Universitas Hasanuddin	66
	Primary Health Center Of Barrang			
	Lompo Island Makassar			
54	Pregnancy And Work Stress:	Retno Widowati	Universitas Nasional	67
	Investigation Of Factors Relating			
	Level In Pregnant Working			
	Women	~	5 1 11 77 1	
55	Fermented Soybean Cake Nugget	Suryani B	Poltekkes Kemenkes	68
	As An Alternative For Increasing Weight Of Little Children Agency		Makassar	
56	The Difference In The Number Of	Hendrik David Julianus	Universitas Hasanuddin	69
	Complaints From Patient Health	Borolla	Omversitas Hasanadam	0)
	Services Using National Health			
	Insurance At Regional General			
	Hospitals In Gorontalo Province			
57	Essential Oil As A New Tool For	Budiman	Universitas	70
	Larvicidal Aedes Aegypti: A		Muhammadiyah Palu	
58	Systematic Review Safety And Heath Evaluation Of	Muhammad Isradi Zainal	Universitas Balikpapan	71
36	The Gas Exposure In The Area Of	Widifaffifiad Isladi Zaffal	Oniversitas Dankpapan	/ 1
	Effluent Water Treatment Plant			
	(Ewtp) Of Pt. X			
59	How Is The Correlation Job	Andi Indahwaty Sidin	Universitas Hasanuddin	72
	Crafting To Job Satisfaction Of			
	Hospital Staff At Disruption Era			
60	In Hospital Industries What Kind Of Information That	Ratna Frenty Nurkhalim	Institut Ilmu Kesehatan	73
00	Indonesian Conditional Cash	Kama Fienty Nurkhanm	Bhakti Wiyata Kediri	13
	Transfer Beneficiaries Need? : A		Diakii Wiyata Keuiii	
	Preliminary Study			
61	Exposure Analysis Of Benzene In	Azham Umar Abidin	Universitas Islam	74
	Workplace Control Room Spu A		Indonesia	
	And Spu B Pt. X			
62	Food Intake and Anemia Among	Rahayu Nurul Reski	Universitas Hasanuddin	75
	Preconception Women In Takalar			
63	District, Indonesia Fishing Habits And The	Chatarina Umbul	Universitas Airlangga	76
	Connection With Malaria Case In	Wahyuni	Omvorsitas Amangga	70
	East Lombok Regency	, , any and		
64	The Anticipatory Guideline For	Triana Indrayani	Universitas Hasanuddin	77
	Parents Of Child Victims Of	·		
	Sexual			

65	Cultural Tradisionals And Special Rituals Relating To The Health In Bugis Ethnics Makassar	M. Faiz Satrianegara	UIN Alauddin Makassar	78
66	Community Beliefs Toward Causes Of Illness: Cross Cultural Studies In Tolotang And Ammatoa Ethnics In Indonesia	Hamdan Juhannis	UIN Alauddin Makassar	79
67	The Risk Factors For The Incidence Of Pulmonary Tuberculosis In Liukang Tupabbiring, Pangkajene Archipelago Regency, Indonesia, 2019	Andi Susilawaty	UIN Alauddin	80
68	The Effect Of Consume Capsules Seaweed On The Hemoglobin Levels Of Pregnant Women At Puskesmas Batua Makassarin 2019	Julia Fitriningsih	Universitas Hasanuddin	81
69	Climate Factors And Dengue Fever Occurance In Makassar during Period of 2011-2017	Syahrul Basri	UIN Alauddin Makassar	82
70	Bayesian Spatial Survival Modelling For Dengue Fever In Makassar, Indonesia	Sri Astuti Thamrin	Universitas Hasanuddin	83
71	Perceived Barriers And Needs Of Undernourished Teenager Girl In Small Island Of Indonesia	Healthy Hidayanty	Universitas Hasanuddin	84
72	A Linkage Of Sanitary Conditions And Personal Hygiene To The Presence Of E. Coli In Warmindo Food Stall	Azham Umar Abidin	Universitas Islam Indonesia	85
73	Effect Of Physical Environment And Prisoner's Behavior With The Implementation Of Control Programs Against The Incidence Of TB In Corrections Makassar City Class I Year 2020	A Rizki Amelia	Universitas Muslim Indonesia	86
74	Implementation Occupational Safety And Health Management System (Oshms) In Occupational Accidents At Manufacture Industry	Azham Umar Abidin	Universitas Islam Indonesia	87
75	Biomarker Of Pneumonia Disease In Children In "Grill Culture": A Systematic Review	Sintha Lisa Purimahua	Universitas Hasanuddin	89
76	Fermented Soybean Cake Nugget As An Alternative For Increasing Weight Of Little Children Aged 36 – 60 Months	Suriani B	Poltekkes Kemenkes Makassar	90
77	Beauty Clinic Waste Generation	Fina Binazir Maziya	Universitas Islam	91

	And Analysis On Calorific Value		Indonesia	
	In Yogyakarta City			
78	Mental Health Intervention Of	Ikhlas Rasido	Universitas Tadulako	92
	Tadulako University Students			
	After Disaster: Earthquake,			
	Tsunami, And Liquefaction In			
	Palu, Province Of Central			
	Sulawesi, Indonesia			
79	PQRST Wave Detection On ECG	Putri Madona	Politeknik Caltex Riau	93
	Signals			
80	Developing Indicators Of Ethnic-	Sukri Palutturi	Universitas Hasanuddin	94
	Based Healthy Traditional			
	Markets In South Sulawesi,			
	Indonesia			
81	The Prediction Model Of The	Anwar Mallongi	Universitas Hasanuddin	95
	Environmental Management For			
	Lung TB Control In Mamuju			
	Regency West Sulawesi Province			
82	Effect Of Convergence Action On	Aspar Abdul Gani	Universitas Hasanuddin	96
	Reducing Stunting Prevalence In			
	Under-Five Children In Banggai			
	District, Center Sulawesi,			
	Indonesia			
83	Prenatal Yoga And Continuous	Ni Made Dweianti	Polikteknik Kesehatan	97
	Support During Childbirth : A		Kartini Bali	
	Systematic Review			
84	Public Knowledge toward Family	A. Muflihah Darwis	Universitas Hasanuddin	98
	Medicine Plants Usage as an			
	Immune Enhancement			
	Supplement during The Covid-19			
0.7	Pandemic			
85	Psychotherapy Intervention	Zhanaz	Universitas	99
	Diabetes Distress In Diabetes		Muhammadiyah Palu	
	Patients Type 2 A Systematic			
0.5	Review	0 11 27 1	D 11. 1 11. 22. 1	400
86	Prevent Postpartum Blues With	Gusti Ayu Martha	Politeknik Kesehatan	100
	The Implementation Of	Winingsih	Kartini Bali	
	Breastfeeding Father Education			
	Model To Increase The Frequency			
	Of Breastfeeding In Mothers: A			
	Systematic Review			404
87	The Importance Of	Nur Ramlah	Universitas Hasanuddin	101
	Implementation Of A Healthy			
	Campus Program: A Literature			
	Review	a . a .	77 1 2 77	100
88	Relationship Of Working Period,	Syamsiar S. Russeng	Universitas Hasanuddin	102
	Work Shift, With Workload			
	Toward Fatigue In Air Traffic			
	Controller Operators At Sultan			
	Hasanuddin Airport Makassar			

89	How To Improve Effectiveness And Efficiency Of Kangaroo	Syawal Kamiluddin Saptaputra	Universitas Halu Oleo	103
	Mother Care? A Literature Review Of Equipment Supporting			
	Continuous Kangaroo Mother Care			
90	Predictors Of Hospital Patient Safety Culture Outcomes In Jambi	Guspianto	Universitas Jambi	104
	Province			
91	Determinant Factors Of Weight Status Among Under Two Years Children Who Received The Complementary Feeding Program	Eha Sumantri	STIKES Tamalate	105
92	Community Behaviour In Garbage Processing In Spermonde Islands Makassar City	Agus Bintara Birawida	Universitas Hasanuddin	106
93	A Case Study: Chemical Health Risk Assessment In Three Footwear Small Industries In Bogor-Indonesia Year 2019	Yenni Miranda Savira	Universitas Indonesia	107
94	Ergonomic Risk Assessment And Prevalence Of Musculoskeletal Disorders Among Workers In Two Types Of Tofu Small Industries In Tangerang 2019	Kania Viatina	Universitas Indonesia	108
95	Ergonomic Assessment In Metal- Based Small Industries In Bogor Regency Indonesia 2019	Prima Andriani	Universitas Indonesia	109
96	Evaluation Of The Completeness And Accuracy Of The Safety Data Sheets (SDS) Of 42 Chemical Substances	Dana Hidayat	Universitas Indonesia	110
97	An Analysis Of Pivotal Factors In The Implementation Of Occupational Health And Safety Management Systems In Micro, Small And Medium Enterprises (Msmes): Literature Review	Mila Tejamaya	Universitas Indonesia	111
98	Adherences in Implementing Antenatal Care Protocols During the COVID-19 Pandemic at Sari Mulia Hospital, Banjarmasin	Anggrita Sari	Universitas Sari Mulia Banjarmasin	112
99	Analysis Of Risk Factors And Noncommunicable Diseases (NCDs) Among Adolescents	Andi Selvi Yusnitasari	Universitas Hasanuddin	113
100	Occupational Health Profile In Msmes: An Overview At Tarikolot Village West Java	L. Meily Kurniawidjaja	Universitas Indonesia	114
101	Occupational Health Profile In Msmes: An Overview At	Rijal Noor Al-Ghiffari	Universitas Indonesia	115

	Tarikolot Village, West Java			
102	The Contribution Of Human Error Related To Occupational Accident Among Traditional Diver	Kresna Febriyanto	Universitas Muhammadiyah Kalimantan Timur	116
103	The Characteristic Of People With Tuberculosis By Type Of Treatment Selected Before Diagnosed In Surabaya, East Java, Indonesia	Chatarina Umbul Wahyuni	Universitas Airlangga	117
104	Analysis Of Microplastic In Clean Water Sources Around The Tamangapa Landfill In Makassar	Muh Fajaruddin Natsir	Universitas Hasanuddin	118
105	Cost And Benefit Analysis Of Implementation Occupational Health And Safety Management System	Ida Ayu Indira Dwika Lestari	Universitas Indonesia	119
106	Qualitative Analysis Of Financing Hiv And Aids Program In Health Office Of Jayawijaya District, Papua Province	Theresia Falentina Resubun	Universitas Hasanuddin	120
107	The Effect Of Education Using Ular Tangga On Selection Of Healthy Snacks In Elementary School Student	Juztika Andriani Farid	Universitas Hasanuddin	121
108	Analysis Factors Related To Quality Of Life In Air Traffic Controller (ATC) At Sultan Hasanuddin International Airport Makassar	Putri Yanti	Universitas Hasanuddin	122
109	The Correlation Between Implementation Of Occupational Health And Safety Program With Nurses Job Satisfaction In Makassar City	Irwandy	Universitas Hasanuddin	123
110	Analysis Of Leadership Style Based On The Study Of Multifactor Leadership Questionnaire In Palu Anutapura Hospital	Fajrillah Kolomboy	Universitas Hasanuddin	124
111	Ergonomic Sofa Design To Support Kangaroo Mother Care In Indonesia	Syawal Kamiluddin Saptaputra	Universitas Halu Oleo	125
112	Analysis Of Factors Affecting Musculosceletal Complaints To Female Sea Grass Farmers In Takalar District In 2020	Adhinda Putri Pratiwi	Universitas Hasanuddin	126
113	The Effects Of Iron Folic Acid And Multi-Micronutrient Supplementation Since Preconception On Hemoglobin	Abdul Razak Thaha	Universitas Hasanuddin	127

			1	1
	Concentration, Birth Weight And			
	Length, And Nutritional Status Of			
	Children Under Two			
114	The Importance Of The Family	Imelda F.E. Manurung	Universitas Nusa	129
	Approach On TB Case		Cendana	
	Findingamong People Living			
	With HIV And AIDS In Kupang,			
	Indonesia			
115	Pornography Behavior In Early	Indra Fajarwati Ibnu	Universitas Hasanuddin	130
	Adolescents			
116	Evaluation Of Health Service	Rini Anggraeni	Universitas Hasanuddin	131
	Quality Policy In The JKN Era			
	With A Realist Evaluation			
	Approach In South Sulawesi			
	Province			
117	Risk Factors Of Anemia In	Arum Diah Pusparini	Universitas Hasanuddin	133
	Pregnant Women At Singgani			
	Health Center And Tipo Health			
	Center In Palu City			
118	Differences In Knowledge And	Atjo Wahyu	Universitas Hasanuddin	134
	Behaviour Related To Healthy			
	And Productive Women			
	Movement (Gp2sp) Among			
	Highly And Low Educated			
	Women			
119	Social Mapping Model For	Ida Leida M Thaha	Universitas Hasanuddin	135
	Hypertension Prevention In Urban			
	Area			
120	Behavior Modification Of Obesity	Nasrah	Universitas Hasanuddin	136
	Prevention Through Abc Chains			
	In Children With Tunarungu At			
	Slb-B Ypac, Makassar City			
121	Complaints Of Low Back Pain	Yahya Thamrin	Universitas Hasanuddin	137
	Among Female Workers In			
	Takalar District : A Mixed			
	Method Study			
122	Musculoskeletal Disorders	Yahya Thamrin	Universitas Hasanuddin	138
	Problems And Its Relation With			
	Age, Working Periods, And			
	Smoking Habit Among Fishers In			
	Maros Regency			
123	Relation Of Body Mass Index	Yahya Thamrin	Universitas Hasanuddin	139
	And Work Posture/Position On			
	Musculoskeletal Disorders			
	Among Fishers In Maros Regency			
124	Measuring Self-Regulation After	Ridwan Mochtar Thaha	Universitas Hasanuddin	140
	Nutrition Education Modules			
	With Self Determination Theory			
	(Sdt) Intervention Among			
	Teachers With Or At Risk			

	Metabolic Syndrome			
125	Bacteria contamination analysis on the hands and bowls of meatball cart vendors: an observational descriptive	Hasnawati Amqam	Universitas Hasanuddin	141
126	The Effect of Work Family Conflict and Workload on The Performance of Female Nurses With Work Stress and Emotional Exhaustion as an Intervening Variables on Female Nurses in RS.Dr.Tadjuddin Chalid Makassar	Tenri Diah T.A	Universitas Hasanuddin	142
127	Unmet need for contraception in Indonesia (PMA 2015 Analysis)	Apik Indarty Moedjino	Universitas Hasanuddin	143
128	Comparison of the effect of animated sign language videos and leaflets on deaf motivation in preventing obesity in children	Nasrah	Universitas Hasanuddin	144
129	The Effectiveness Of Treating Secang Woods Stew to Bone Density In Menopouse Women	Ayu Lestari	Universitas Megarezky	145

Climate Factors and Dengue Fever Occurence in Makassar during Period of 2011-2017

Andi Susilawaty¹, Ranti Ekasari¹, Bs. Titi Haerana¹, Lilis Widiastuty¹, Dian Rezki Wijaya¹, Zilfadhilah

Arranury 1, Syahrul Basri 1*

¹ Universitas Islam Negeri Alauddin Makassar

*Corresponding authors.

E-mail address: syahrul.basri@uin-alauddin.ac.id

Abstract

Objective: Dengue fever is a global burden because of high cases number. Climate factors became determinant of the mosquito's growth. Mosquito as a vector is very sensitive to their environment especially climate condition which are temperature, rainfall, humidity and wind speed. The aim of this study was to analyze the correlation between climate factors (temperature, rainfall, humidity, wind speed) and dengue fever cases in Makassar 2011-2017.

Methods: It was quantitative study and analyzed by using General Estimating Equation (GEE). Gee was used to know the correlation of independent and dependent variable and also showed the model of variables. This study located in Makassar by using secondary data from Health District Office of Makassar Dengue Fever Cases Data and Meteorological, Climatological, and Geophysical Agency of Makassar for climate data from January 2011 to December 2017.

Results: The result showed significant correlation between climate variables that has been researched which were temperature, humidity, rainfall, and wind speed to dengue fever cases.

Conclusions : As a conclusion, humidity had strongest correlation to dengue fever cases. It also showed positive correlation, while other showed negative correlation.

Keywords: Dengue, temperature, rainfall, humidity, wind speed.