

ISSN 2580-9296 (ONLINE)



www.icash.inschool.id



Abstracts of International Conference on Applied Science and Health No. 04, 2019

“Science for mankind: Translating research results into policy and practices”

Faculty of Graduate Studies Mahidol University
Nakhon Pathom, 23rd - 24th July 2019



International Conference on Applied Science and Health
No. 04, 2019

The 4th International Conference on Applied Science and Health (ICASH 4)

23-24 July 2019

Faculty of Graduate Studies, Mahidol University, Nakhon Pathom, Thailand

Organizers:

**Yayasan Aliansi Cendekiawan Indonesia Thailand (Indonesian Scholars' Alliance)
Permitha Simpul Salaya**

Conference Chair	:	Dyah Anantalia Widyastari
Executive Secretary	:	Doni Marisi Sinaga
IT & Website	:	Canggih Puspo Wibowo
Layout, Abstract & Proceedings	:	Hafizh Muhammad Noor Dimas Sondang Irawan Tiara Fatmarizka Dwina Gustia Diary I Gusti Ngurah Edi Putra Maretalinia Marina Ayu Viniriani Monita Destiwi Galih Albarra Shidiq Ivana Aprilia Pratiwi
Logistics	:	Made Dian Shanti Kusuma Ni Wayan Kesari Dharmapatni
Necessity and Equipment	:	Mahendrawan Nugraha Aji Pratama Ary Norsaputra Andi Pancanugraha Febrian Hendra Kurniawan
Event	:	Pamuko Aditya Rahman Wahyu Manggala Putra Rifqi Abdul Fattah Puput Kusumawardani Moehas Ricky Alexander Samosir
Multimedia & Documentation	:	Andang Adi Fitria Hananto I Gusti Ngurah Agastya Taufik Eko Susilo
Moderator	:	Pichpisith P. Vejvisithsakul Donny Nauphar Ariestyia Indah Permata Sari Reny Pratiwi Hnin Oo Mon Dr. Nyein Chan

Co-hosts:

Poltekkes Kemenkes Semarang;
Faculty of Medicine of Universitas Swadaya Gunung Jati;
Poltekkes Kemenkes Yogyakarta;
Poltekkes Kemenkes Palangka Raya;
Ikatan Ahli Kesehatan Masyarakat Indonesia.

Scientific Commitees:

Prof. Andrew J Macnab	Dr. Linda Suwarni, SKM, M.Kes.
Assist. Prof. Suhartini Ismail, S.Kp., MNS., Ph.D.	Dr. Nasrul Hidayah, S.TP., M.P., M.Sc.
dr. Ahmad Fariz Malvi Zamzam Zein, Sp.P.D., M.M.	Dr. Nyein Chan
Dr. Yuni Kusmiyati, MPH.	Dr.sc.hum. Budi Aji, SKM, M.Sc.,
dr. Adang Bachtiar, MPH., D.Sc.	Zuraidah Nasution, S.T.P., MSc., Ph.D.
Murallitharan Munisamy, MD, MSc FRSPH, Ph.D.	Monthira Suintiparpluacha, Ph.D.
Gara Samara Brajadenta, MD, MMed.Sc, Ph.D.	Dyah Anantalia Widyastari, MPH, Ph.D (Cand.)
Adi Nugroho, Ph.D.	Pichpisith P. Vejvisithsakul, MD., Ph.D. (Cand.)
Nara Khamkhom, Ph.D.	Doni Marisi Sinaga, M.Sc., Ph.D (Cand.)
Bayu Anggileo Pramesona, S.Kep., MMR, Ph.D	Joko Gunawan Ph.D. (Cand.)
Franxisca Mariani, M.P, Ph.D. (Cand.)	Junaida Astina, S.Gz, Ph.D. (Cand.)
Sirada Kasornsri, MNS., Ph.D. (Cand.)	Rian Adi Pamungkas, Ns., MNS., Dr. PH (Cand.)
Ary Norsaputra, S.Pd., M.Sc., Ph.D. (Cand.)	Richa Kusumawati, Ph.D. (Cand.)
Donny Nauphar, B.Sc., M.Si.Med., Ph.D (Cand.)	dr. Sunna Hutagalung, MS., Ph.D. (Cand.)
dr. I Gusti Ngurah Pramesemara, M.Biomed, Sp.And	Desri Astuti, SKM, MA.
Galih Albarra Shidiq, M.Ed.	Dhesi Ari Astuti, S.Si.T., M.Kes.
Titinan Pewnail, MA.	Dimas Sondang Irawan, SSt.Ft, M.Fis.
Niken Meilani, S.SiT, S.Pd., M.Kes.	Agnescia Clarissa Sera, S.Gz., MFoodScTech.
Ns. Made Dian Shanti Kusuma, S.Kep.	Ariestyia Indah Permata Sari, MD., M.Sc.,
Ns. Ni Wayan Kesari Dharmapatni, S.Kep.	M.Si.Med Hilmi Zadah Faidlullah, SST.FT., M.Sc.
Rani Sasmita, S.Si., M.P., M.Sc.	I Gusti Ngurah Edi Putra, SKM, MA.
Reny Pratiwi, M.Si	Juneman Abraham, S.Psi., M.Si., Dr.
Shinta Kristianti, S.SiT., M.Kes.	Lintang Dian Saraswati, SKM, M.Epid.
Tiar M Pratamawati, MD., MM., M.Biomed.	Yeni Tri Herwanto SKM, M.Kes.
Wahyu Manggala Putra, SKM, MPH.M.	

Publisher:

Yayasan Aliansi Cendekiawan Indonesia Thailand (Indonesian Scholars' Alliance)

Journal Partner:

Global Health Management Journal (GHMJ)

© 2019 [Yayasan Aliansi Cendekiawan Indonesia Thailand \(Indonesian Scholars' Alliance\)](#)

All rights reserved. Abstracting is permitted with credit to the source.

Full Papers in the Oral Session are available online at

[Proceedings of the International Conference on Applied Science and Health \(No. 4, 2018\).](#)

Refers to [Google Scholar](#) for citation.

ISSN: 2579-4434



9 772579 443014



ICASH

Research for Better Society

PREFACE

Health and well-being is a fundamental right of every human being. Governments of every nation are responsible to provide facilities and supporting policies to enable people accessing health-related information and healthcare services. As students, we, [Yayasan Aliansi Cendekiawan Indonesia Thailand](#) or internationally known as Indonesian Scholars' Alliance (InSchooL), together with [Indonesian Students Association in Thailand \(Permitha Salaya\)](#) responses by providing the medium to deliver the updated sciences in health as we organize the [4th International Conference on Applied Science and Health](#). We invite experts, practitioners, professionals and students in Asia and other regions to share their expertises, experiences, and views in the field of applied science and health.

We received more than 300 papers that have undergone rigorous peer review before finally accepted and published in our conference. About 150 papers from at least five participating countries (Indonesia, Thailand, Myanmar, Iran, and Malaysia) will be presented in oral session, while 90 papers will be presented as poster.

The [4th ICASH](#) would not be possible without the supports of the following organizations and individuals: 1) Faculty of Graduate Studies Mahidol University for providing the venue and full supports for the past four years; 2) Faculty of Medicine Universitas Swadaya Gunung Jati Cirebon Indonesia; 3) Politeknik Kesehatan Kemenkes Semarang; 4) Politeknik Kesehatan Kemenkes Palangkaraya; and 5) Politeknik Kesehatan Kemenkes Yogyakarta as our co-host. The Keynote Speakers, for their willingness to share the valuable knowledge and extensive experiences in the field of health and applied science, of which will be of great benefits for all participants. To all International Scientific Committees for assisting the Organizing Committee to review papers submitted to the conference; and last but not least, to the authors who have shared their valuable works to all of us.

We wish you a joyful and fruitful conference, but above all, we wish you the greatest benefit of this 2-days conference.

Dyah Anantalia Widyastari
Conference Chair



ICASH

Research for Better Society

PREFACE

Hi Fellas, Swadikrub and Selamat Datang,

The 4th International International Conference on Applied Science and Health (ICASH 2019) is the masterpiece from Indonesian Students who are accompanied by the Indonesian Scholars' Alliance (INSCHOOL), and this year is the 3rd year participation of Indonesian Students' Association of Mahidol in Thailand (known as Permitha/PPI Salaya Mahidol-Thailand) as the co-organizer of ICASH; today conference, follows with the previous three editions (February 2017, September 2017 and August 2018).

As the organization, PERMITHA Salaya-Mahidol is one of the biggest community of Indonesian student in Thailand and as a part of PERMITHA Thailand. Besides, this organization has creative members who dedicate toward their responsibility in PERMITHA Salaya-Mahidol. It has been proved since the earlier phase of ICASH. PERMITHA Salaya-Mahidol always supports the event because we know that this event is the unusual activity that could impact for Indonesian Student in Mahidol University. As the Chief of PERMITHA Salaya-Mahidol, I really believe that PERMITHA's members are people who could give a positive impact on their contribution to this event. Then, ICASH gives the outstanding experience for PERMITHA's members to organize the international program. This chance would drill the soft-skill in leadership, academic, and respond professionally. The skills are beneficial for the members while they work after study.

On this occasion, I would like to say thanks for the ICASH team who has already cooperated with PERMITHA Salaya-Mahidol to produce the educational event. This conference would be a valuable experience for PERMITHA due to the positive impact that could be attained by members. Besides, I also appreciate highly for all members who have total dedication for supporting this event. We hope the experience would teach more than achieved on occasion.

Taufik Eko Susilo

Chief of Indonesian Students' Association Alliance of Mahidol
(PPI/PERMITHA Salaya-Mahidol)



TABLE OF CONTENTS

TITLE PAGE	i
PREFACE	ii
TABLE OF CONTENTS	v
CONFERENCE PROGRAM	xviii

KEYNOTE SPEECHES

KS01	Andrew J. Macnab	SCIENCE FOR MANKIND: TRANSLATING RESEARCH RESULTS INTO POLICY AND PRACTICES	1
KS02	Kanlaya Prapainop	SYNTHESIS OF NANOMATERIALS AND ITS BIOMEDICAL APPLICATIONS FOR HUMAN'S HEALTH	8
KS03	Ahmad Fariz Malvi Zamzam Zein	THE IMPLEMENTATION OF INTEGRATED-APPROACH ON GERD (I-AGE) PROJECT IN FISHERMEN AS A MODEL OF INTERRELATION OF RESEARCH-BASED HEALTHCARE AND TEACHING	10
KS04	Yuni Kusmiyati	THE EFFECT OF ASPHYXIA ON THE QUALITY OF LIFE OF CHILDREN AGED 2-4	12
KS05	Dhini	THE ROLE OF HEALTH POLYTECHNIC OF PALANGKA RAYA AS A LEADING CENTER FOR ADOLESCENT HEALTH IN CENTRAL KALIMANTAN	13
KS06	Suharyo Hadisaputro	NEGLECTED TROPICAL DISEASES : FOCUS IN INDONESIA	15
KS07	Adang Bachtiar	TRANSLATING FUTURE MILLENNIAL: STRUCTURING DISRUPTIVE HEALTHCARE	17
KS08	Catur Setiya Sulistiyana	BRINGING MEDICAL GENETICS TO THE PUBLIC: THE CHALLENGES FOR INDONESIAN MEDICAL FACULTIES	19

ORAL PRESENTATIONS

A001	Ronald Mukisa, Doni Marisi Sinaga, Andrew Macnab	AN EVALUATION OF VIDEO MATERIALS WITH A HEALTHRELATED MESSAGE AVAILABLE IN INDONESIA	21
A002	Mahendrawan Nugraha Aji Pratama, Poschanan Niramitchainont	FACTORS AFFECTING WORK PERFORMANCE OF FAMILY PLANNING FIELD WORKERS OF NATIONAL AGENCY OF POPULATION AND FAMILY PLANNING (BKKBN) IN EAST JAVA PROVINCE, INDONESIA	22
A003	Sanjeev Bijukchhe, Ronny Isnuwardana, Sasivimol Rattanasiri, Kunlawat Thadanipon, Ammarin Thakkinstian	ASSOCIATION AMONG STATIN, TELOMERE LENGTH AND CARDIOVASCULAR DISEASES	23
A004	Andi Pancanugraha, Arisara Leksansern	FACTORS AFFECTING GRADE 11 STUDENTS' ACHIEVEMENT IN LEARNING POPULATION EDUCATION IN SCHOOL POPULATION AWARENESS, INDONESIA	24
A005	Fatimah, Arisara Leksansern	FAMILY PLANNING FIELD WORKERS' EXPECTATIONS AND PERCEPTIONS ON SERVICE QUALITY OF TRAINING AND EDUCATION AT NATIONAL POPULATION AND FAMILY PLANNING BOARD IN PROVINCE OF CENTRAL SULAWESI, INDONESIA	25



A006	Nitchamon Rakkapao, Pradabduang Kiattisaksiri, Ronnapoom Samakkekarom	KNOWLEDGE, ATTITUDES, AND HIV/AIDS RISK BEHAVIORS OF MYANMAR MIGRANT WORKERS IN THAILAND	26
A007	Yadanar Aung, Yin Thet Nu Oo, Nanda Myo Aung Wan, Bo Bo Nyan, Aung Pyae Phyo, Le Le Win	ALCOHOL CONSUMPTION AND CURRENT SITUATION OF DRINKING RISK LEVEL AMONG UNIVERSITY STUDENTS IN MANDALAY REGION	27
A008	I Gusti Ngunrah Edi Putra	ADDRESSING GENDER INEQUALITY TO IMPROVE MATERNAL HEALTH IN INDONESIA: A NARRATIVE LITERATURE REVIEW	28
A010	Pepi Arifiyani, Hikmah Fitriani, Rachmanda Haryo Wibisono	THE EFFECTIVENESS OF LEMON JUICE (<i>Citrus limon</i>) TOWARD PYRAMIDAL NEURON CELLS OF MALE WHITE MICE'S CEREBRAL CORTEX THAT EXPOSED BY MONOSODIUM GLUTAMATE (MSG)	29
A011	Mauli Ardhiya, Ignatius Hapsoro, Shofa Nur Fauzah	THE RELATIONSHIP BETWEEN KNOWLEDGE, ATTITUDE, BREASTFEEDING PRACTICE AND INTAKE OF COMPLEMENTARY FEEDING WITH NUTRITIONAL STATUS OF CHILDREN AGED 6-24 MONTHS AT KESUNEAN HEALTH CENTER CIREBON	30
A012	Adhy Nugroho, Risnandya Primanagara, Pahmi Budiman Sahputra Basyir	ANTIDIABETIC EFFECT OF COMBINED <i>Muntingia calabura</i> L. LEAF EXTRACT AND METFORMIN ON RATS	31
A013	Akbar Dito Erlangga, Tissa Octavira Permatasari, Ouve Rahadiani Permana	THE CORRELATION BETWEEN ANTENATAL CARE, PARITY AND MATERNAL AGE AMONG PREGNANT WOMEN WITH ANTEPARTUM HEMORRHAGE INCIDENCE AT GONDOSARI COMMUNITY HEALTH CENTER, KUDUS	32
A015	Ayatullah Ouve Rahadiani Permana, Uswatun Khasanah	THE CORRELATION OF KNOWLEDGE AND ATTITUDE ON DRUGS WITH DRUG ABUSE BEHAVIOR AMONG ADOLESCENTS IN KESUNEAN HEALTH CENTRE, CIREBON CITY	33
A016	Dela Destiani Aji, Ruri Eka Maryam Mulyaningsih, Ahmad Fariz Malvi Zamzam Zein	THE EFFECT OF LEMON JUICE (<i>Citrus limon</i>) IN LIVER HISTOPATHOLOGIC APPEARANCE OF MALE MICE (<i>Mus musculus</i> L.) EXPOSED BY MONOSODIUM GLUTAMATE (MSG)	34
A017	Dewi Sukmawati, Witri Pratiwi, Ahmad Fariz Malvi	THE COMPARISON OF DIARRHEA INCIDENCE BETWEEN 0-6 MONTHS OLD INFANTS WHO WERE EXCLUSIVELY BREASTFED, NON-EXCLUSIVELY BREASTFED AND GIVEN MILK FORMULA IN CIREBON CITY, INDONESIA	35
A018	Dhini Oktaviani, Amanah Amanah, Eni Suhaeni, Risnandya Primanagara	CALCULATING COLONY OF <i>Candida</i> spp. AMONG CHILDREN WITH INTELLECTUAL DISABILITY IN CIREBON	36
A019	Dina Alfiana, Witri Pratiwi, Muhammad Edial Sanif	THE CORRELATION BETWEEN EDUCATION, WORK, AND MATERNAL KNOWLEDGE ON COMPLEMENTARY FEEDING WITH 6-24 MONTHS' NUTRITIONAL STATUS	37
A020	Hagi Wibawa, Hikmah Fitriani, Rama Samara B, Irwan Meidi L	INFLUENCE OF GIVING BREADFRUIT (<i>Artocarpus altilis</i> (Park) Fosberg.) LEAVES EXTRACT TO DECREASE URIC ACID LEVELS IN WISTARS RATS HYPERURICEMIC	38



A021	Hanif Haidaryafi, Muhammad Edial Sanif, Ignatius Hapsoro Wirandoko	DESCRIPTIVE STUDY OF DIETARY PATTERNS AND PHYSICAL ACTIVITIES AMONG PATIENTS WITH TYPE 2 DIABETESMELLITUS IN COMMUNITY HEALTH CENTER OF KESUNEAN, CIREBON	39
A022	I Gusti Ayu Novita Afsari, Hikmah Fitriani, Triono Adi Suroso	THE EFFECTIVENESS OF LEMON JUICE (<i>Citrus limon</i>) ON PURKINJE CELL OF WHITE MALE MICE (<i>Mus musculus</i>) CEREBELLAR CORTEX THAT EXPOSED BY MONOSODIUM GLUTAMATE (MSG)	40
A023	Ika Rena Pratiwi, Ricardi W Alibasjah, Catur Setiya Sulistiyana	THE CORRELATION BETWEEN MOTHER'S KNOWLEDGE, EDUCATION AND FAMILY INCOME WITH NUTRITIONAL STATUS OF TODDLER (AGED 1-6 YEARS)	41
A024	Jibril Ali Syariati Assajad, Muhammad Edial Sanif, Risnandya Primanagara	ANTIDIABETIC EFFECT OF COMBINED CINNAMOMUM CASSIA EXTRACT AND METFORMIN IN RATS	42
A025	Juharny Eka Sackbani, Thysa Thysmelia, Defa Nur Rahamtunnisaa	THE CORRELATION OF ANXIETY IN DEALING WITH OBJECTIVE STUDENT ORAL CASE ANALYSIS (OSOCA) EXAMINATION ON THE CASE OF FUNCTIONAL DYSPEPSIA IN THE FIRST SEMESTER MEDICAL STUDENTS	43
A027	Mellyna Iriyanti Sujana, Amanah Amanah, Handoyo Moch Yusuf	COMPARISON OF SOIL-TRANSMITTED HELMINTH EGG INFESTATION IN FECES OF INTELLECTUAL DISABILITY (ID) CHILDREN WITH NON-ID CHILDREN	44
A028	Muhammad Irsyad Baihaqi	THE EFFECT OF ORALLY ADMINISTERED CATFISH (<i>Clarias gariepinus</i>) SKIN AND MEAT ON EPITHELIALIZATION THICKNESS AND COLLAGEN DENSITY IN INCISION WOUND OF WISTAR RAT (<i>Rattus norvegicus</i>)	45
A029	Nita Safitri, Uswatun Khasanah, Ruri Eka Maryam Mulyaningsih	CORRELATION BETWEEN ANXIETY LEVEL AND SELF DIRECTED LEARNING READINESS (SDLR) WITH STUDENT PERFORMANCE IN PROBLEM BASED LEARNING (PBL)	46
A030	Nurul Amaliah Lestari, Uswatun Hasanah, Ricardi Witjaksono Alibasjah	THE EFFECT OF SELF DIRECTED LEARNING READINESS (SDLR) AND LEARNING APPROACH TOWARD MEDICAL STUDENT ACHIEVEMENT	47
A031	Rike Rizqilah, Dadan Ramadhan Apriyanto, Ruri Eka Maryam Mulyaningsih	INHIBITORY OF SOURSOP LEAVES (<i>Annona muricata</i> L.) EXTRACT AGAINST <i>Malassezia furfur</i> GROWTH	48
A032	Sayyidah Vina Syauqia, A. Fariz Malvi Zamzam Zein, Tiar M. Pratamawati, Donny Nauphar	EFFECTIVENESS OF ORALLY USE TILAPIA (<i>Oreochromis niloticus</i>) ON WOUND LENGTH AND FIBROBLAST DENSITY ON INCISION WOUND OF WISTAR RAT (<i>Rattus norvegicus</i>)	49
A033	Sri Utami Fauziah, Risnandya Primanagara, Tiar M. Pratamawati, Donny Nauphar	EFFECTIVENESS OF ORALLY USE CATFISH (<i>Clarias gariepinus</i>) SKIN AND MEAT ON WOUND LENGTH AND FIBROBLAST DENSITY IN INCISION WOUND OF WISTAR RAT (<i>Rattus norvegicus</i>)	50
A034	Syahidatun Hayati, Amanah Amanah, Rose Indriyati	INHIBITORY TEST OF DAYAK ONION (<i>Eleutherine Bulbosa</i> Mill.) ESSENTIAL OIL TO THE GROWTH OF MALASSEZIA FURFUR	51
A035	Tessa Swesty Islamia, Atik Sutisna, Hikmah Fitriani	THE INHIBITION TEST OF FLAVONOID AND TANNIN IN NONI FRUIT (<i>Morinda citrifolia</i> Linn) COMPARED TO CEFTRIAXONE TOWARDS <i>Escherichia coli</i> IN VITRO	52
A036	Tiara Syamsa Noor Wildania, Shofa Nur Fauzah, Dini Sapardini Warsodoedi	IMPACT OF OBESITY AND DIABETES MELLITUS TYPE II WITH INCIDENCE OF HYPERTENSION IN AGE 45-65 YEARS OLD	53



A037	Tridaya Putri Handayani, Muhammad Duddy Satrianugraha Witri Pratiwi, Ruri Eka Maryam Mulyaningsih	THE CORRELATION OF EDUCATION AND SOCIAL ECONOMIC LEVELS WITH ANTIBIOTIC SELF- MEDICATION IN THE COMMUNITY OF CIREBON	54
A038	Maya Erisna, Merisa Restiani Arma, Sri Sumarni, Hilma Triana	DOES BEETROOT JUICE LOWER BLOOD PRESSURE?: A SYSTEMATIC REVIEW	55
A039	Danai Bawornkiattikul, Nantaporn Phatrabuddha	ASSESSMENT OF RESIDENCE SANITATION CONDITION AND LIFE QUALITY OF CONSTRUCTION WORKERS, CHONBURI PROVINCE, THAILAND	56
A040	Merisa Restiani Arma, Maya Erisna, Sri Sumarni	POTENTIAL OF HERBAL PLANTS AS ANTIHYPERTENSIVE THERAPY: A REVIEW	57
A042	Afifah K. Vardhani	<i>Caesalpinia sappan</i> L: REVIEW ARTICLE	58
A043	Syafrida Ainur, Melyana Nurul Widyawati	INDONESIAN HERBS WITH ANTIFERTILITY EFFECTS ON MEN: A SYSTEMATIC REVIEW	59
A044	Dona Amelia, Ade Srywahyuni, Liza Merianti, Mita Yulia	CONTROLLING DIET EXPERIENCE OF DIABETIC PATIENTS IN BUKITTINGGI, INDONESIA	60
A045	Ade Srywahyuni, Dona Amelia, Liza Merianti, Senci Napeli Wulandari	USING SCORECARD TO ANALYSE RISK FACTORS OF STROKE IN WEST SUMATERA INDOENSIA	61
A047	Liza Merianti, Dona Amelia, Ade Srywayuni, Sari Afma Yuliane	STORIES OF MOTHERS WITH INTELLECTUAL DISABILITY CHILDREN IN WEST SUMATERA, INDONESIA	62
A048	Anak Agung Istri Agung Sri Stuti Damayanti, Ida Bagus Nyoman Maharjana, Atik Nurwahyuni	ANTIMICROBIAL STEWARDSHIP STRATEGY TO REDUCE LENGTH OF STAY AND COST OF ANTIBIOTIC CONSUMPTION: A SYSTEMATIC REVIEW	63
A050	Anastasia Yekti Heningnurani, Dumilah Ayuningtyas	PATIENTS SAFETY CULTURE DEVELOPMENT IN JAMBI PUBLIC HOSPITAL	64
A051	Angesti Drea Habsari, Jaslis Ilyas	FACTORS AFFECTING MEDICAL DOCTOR TURNOVER IN THE HOSPITAL: A SYSTEMATIC REVIEW	65
A052	Aida Amalia Nur Ramadhian, Sheyla Najwatul Maula, Ulfah Musdalifah	THE REBORN OF EXCLUSIVE BREASTFEEDING METHOD: ANTENATAL BREAST EXPRESSION (ABE): A LITERATURE REVIEW	66
A053	Aisyah, Triana Sri Hardjanti	THE EFFECT OF MUSIC THERAPY FOR PREGNANT WOMEN : A LITERATURE REVIEW	67
A054	Andriana, Sri Sumarni	THE EFFECTIVENESS OF ACUPUNCTURE ON WOMEN WITH POLYCYSTIC OVARY SYNDROME: SYSTEMATIC LITERATURE REVIEW	68
A056	Benigna Maharani Besmaya, Runjati Runjati, Ari Suwondo, Siti Nurharisah	IS THE MULTIPLE MICRONUTRIENTS BETTER TO REDUCE ANEMIA IN PREGNANCY COMPARED TO IRON- FOLATE ACID SUPPLEMENTATION? A SYSTEMATIC REVIEW	69
A057	Diah Ulfa Hidayati, Runjati Runjati	ANTIMICROBIAL ACTIVITY OF KERSEN (<i>Muntingia calabura</i> L.) LEAVES: A SYSTEMATIC REVIEW	70
A058	Dian Aprilia Damayanti, Mardiyono Mardiyono	UPDATE: METABOLIC DISORDERS OF PREECLAMPSIA A REVIEW	71
A059	Dina Anggraini, Triana Sri Hardjanti	EFFECTS OF HEGU POINT SUPPRESSOR (LI 4) AND BIRTH BALL TECHNIQUE ON LABOR PAIN: A REVIEW	72
A060	Diyas Windarena, Siti Nurharisah, Benigna Maharani, Mardiyono Mardiyono	SYSTEMATIC REVIEW METABOLIC DISRUPTION IN GESTATIONAL HYPERTENSION DISORDER	73



A061	Dwi Apriani, Ulfah Musdalifah, Tecky Afifah Santy Amartha	COMPLEMENTARY AND ALTERNATIVE MEDICINE (CAM) IN THE FIRST STAGE OF LABOR PAIN: A LITERATURE REVIEW	74
A062	Dwi Hesti Diah Citrawati, Listyaning Eko Martanti	COMPLEMENTARY THERAPIES FOR LABOR INDUCTION AND THEIR LEGALITY IN INDONESIA: A LITERATURE REVIEW	75
A063	Ertitawai Siregar, Triana Sri Hardjanti	NON PHARMACOLOGICAL TREATMENTS FOR BREAST ENGORGEMENT: A SYSTEMATIC REVIEW	76
A064	Fatatu Malikhah, Melyana Nurul Widyawati, Sutarmi, Siti Kistimbar, Taryatmo Kusmini	THE EFFECT OF LOVING TOUCH STIMULATION THERAPY FOR INFANTS' WEIGHT GAIN	77
A065	Ida Ayu Putu Dewi Adnya Suwari, Melyana Nurul Widyawati, Ni Putu Dian Ayu Anggraeni	ACUPRESSURE AND YOGA COMBINATION CAN REDUCE ANXIETY DURING PREGNANCY: A SYSTEMATIC REVIEW	78
A066	Ismi Puji Astuti, Suharyo Hadisaputro	EFFECTIVENESS OF PRENATAL YOGA ON PREGNANCY ANXIETY AND DEPRESSION: A SYSTEMATIC REVIEW	79
A067	Kiki Yusika, Sri Rahayu	DETERMINANT OF EARLY MENARCHE AT MUARA MEGANG ELEMENTARY SCHOOL SOUTHERN SUMATRA	80
A068	Lia Arian Apriani, Ida Ariyanti	EFFECTIVENESS OF BROWN SEAWEED (<i>Sargassum</i> sp.) AS NATURAL ANTIOXIDANT FOR ENDOTHELIAL CELL PROTECTION IN PREECLAMPSIA: A LITERATURE REVIEW	81
A069	Nahdiyah Karimah, Nur Khafidhoh, Triana Sri Hardjanti, Riska Ismawati Hakim	THE PERIOD OF PERINEAL WOUND HEALING IN POSTPARTUM MOTHERS BETWEEN THE DECOCTION WATER TREATMENTS OF BINAHONG LEAVES WITH RED BETEL LEAVES	82
A070	Noviyati Rahardjo Putri, Melyana Nurul Widyawati	COMPREHENSIVE THERAPY FOR POLYCYSTIC OVARY SYNDROME: KEY POINTS TO IMPROVE QUALITY OF LIFE	83
A071	Nur Anisa, Sri Wahyuni, Sri Rahayu, Aulia Choirunnisa, Listyaning Eko Martanti	EFFECT OF MORINGA LEAVES AND VITAMIN C CAPSULE COMBINATIONS IN INCREASEING HEMOGLOBIN LEVELS OF YOUNG WOMEN WITH ANEMIA	84
A072	Raffiky Pinandia Sustamy, Rizqi D Pratiwi, Sri Wahyuni	USING THE SMARTPHONE APPLICATION FOR PREGNANCY CARE: A LITERATURE REVIEW	85
A073	Reni Hariyanti, Sri Sumarni	WHAT HAPPENS IF THE BROMELAIN IN <i>Ananas comosus</i> L. Merr. GIVEN TO PEOPLE LIVING WITH HIV/AIDS (PLWHA) ? : A REVIEW	86
A074	Riska Ismawati Hakim, Nahdiyah Karimah, Putri M Saptyani, Sri Wahyuni M	FOOT REFLEXOLOGY FOR WOMEN AND FETAL WELLBEING IN LABOR : A REVIEW	87
A075	Rizkie Aulia Amini, Sri Rahayu	THE INFLUENCE OF GALBLADDER ACUPRESSURE POINT 21 (JIAN JING) AND STOMACH 18 (RU GEN) IN INCREASEING BREASTMILK PRODUCTION	88
A077	Stevani Basuki Putri, Elisa Ulfiana	FACTORS AFFECTING IRON AND FOLIC ACID CONSUMPTION AMONG ADOLESCENTS: A LITERATURE REVIEW	89
A078	Wahyu Diana Rahmawati, Listyaning Eko M, Ribkha Itha I, Nuril N	SELF-INTERNALIZATION FACTORS FOR CONDOM USE AMONG COMMERCIAL SEX WORKERS (CSW) IN PREVENTING HIV / AIDS TRANSMISSION	90
A080	Zubaeda, Nur Khafidhoh	COULD HERBAL MEDICINE BE A COMPLEMENTARY THERAPY IN LEUCORRHEA TREATMENT AND CARE?	91



A081	Niken Meilani, Nanik Setiyawati	ATTITUDES TOWARDS HIV AIDS AMONG MIDWIFERY STUDENTS IN YOGYAKARTA	92
A082	Hesty Widyasih, Yani Widyastuti	SCRAPBOOKING RELATED TO PERSONAL HYGIENE HABITS AND PREVENTION BEHAVIOR OF PATHOLOGICAL LEUCORRHOEA	93
A083	Yuni Kusmiyati, Siti Tyastuti, Yulita Rizky, Nirmala Sari	RISK FACTORS FOR IRON DEFICIENCY ANEMIA IN INFANTS AGED 6 MONTHS IN TEGAL REJO PUBLIC HEALTH CENTER, YOGYAKARTA, INDONESIA	94
A084	Elis Fitria, Ester Inung Sylvia, Gad Datak	HEALTH LITERACY AND DIABETES RISK FACTORS SCORE	95
A085	Ester Inung Sylvia, Gad Datak, Visia Didin Ardiyani	DETERMINANTS OF PRE-DIABETES ON TEENAGERS IN PALANGKA RAYA CITY	96
A087	Riyanti, Legawati	KARUNGUT MUSIC REDUCES ANXIETY OF ADOLESCENT PREGNANT MOTHER	97
A088	Ariani Pongoh, Sunaeni	APPLICATION INDEX CARD MATCH TO IMPROVE MIDWIVES' KNOWLEDGE ON HIGH-RISK PREGNANCY DETECTION USING SCORE CARD POEDJI ROCHYATI IN SORONG, PAPUA	98
A089	Teguh Supriyono, Agnescia Clarissa Sera	MICROENCAPSULATION OF KARAMUNTING LEAF EXTRACT (<i>Rhodomyrtus tomentosa</i>) AS AN INSTANT DRINK POWDER	99
A090	Duly Apika Sari, Poschanan Niramichainont	GUIDELINES USING POTENTIAL STAKEHOLDERS IN ENHANCING REPRODUCTIVE HEALTH AND IDEAL MARRIAGE AGE EDUCATION IN NATIONAL POPULATION AND FAMILY PLANNING BOARD'S YOUTH INFORMATION AND COUNSELLING CENTER	100
A091	Abiyu Naufal Susanto, Maryana, Titik Fajriyati Nur Khasanah, Francilia Deastuti, Raden Roro Brilianti Chrisnajyantie, Anggita Nurlitasari	DENGUE HEMORRHAGIC FEVER (DHF) EDUCATIVE GAME TO IMPROVE KNOWLEDGE AND SKILL OF ELEMENTARY SCHOOL CHILDREN IN DHF PREVENTION	101
A092	Suci Muqodimatul Jannah	THE RELATIONSHIP BETWEEN AGE, GENDER, AND BODY MASS INDEX TO THE PREVALENCE OF FLATFOOT IN PRIMARY SCHOOL CHILDREN IN LAWEYAN	102
A093	Izzah Dienillah Saragih, Tri Niswati Utami, Fitriani Pramita Gurning	PREVALENCE OF SKIN DISEASES IN THE COASTAL AREA OF TELUK NIBUNG NORTH SUMATRA	103
A094	Arismen, Amal Chalik Sjaaf	THE BUSINESS STRATEGIC PLAN FOR RSD KOLONEL ABUNDJANI BANGKO YEAR 2019 – 2023	104
A095	Asdawati, Adang Bachtiar	PERCEPTION OF WOMEN OF REPRODUCTIVE AGE TOWARDS LONG-ACTING CONTRACEPTIVE (LAC) COUNSELING OF FAMILY PLANNING COUNSELORS: A QUALITATIVE STUDY	105
A096	Cici Lia Nopita, Mardiaty Nadjib	ANALYSIS OF CST (CASE, SUPPORT AND TREATMENT) AT H ABDUL MANAP HOSPITAL IN JAMBI CITY IN 2018	106
A097	Eka Ginanjar, Amal C Sjaaf	THE IMPLEMENTATION OF CODE STEMI PROGRAM TO AFFECT THE QUALITY OF HEALTHCARE IN ST-ELEVATION MYOCARDIAL INFARCTION (STEMI) PATIENTS: A SYSTEMATIC LITERATURE REVIEW	107
A099	Handi Wirawan, Prastuti Soewondo	THE STANDARDS OF MEDICAL CARE WITH SELF CARE FOR DIABETES MELLITUS OUTPATIENTS	108



A100	Hanifah Iskhia Dilla, Wachyu Sulistiadi	PATIENT SAFETY CULTURE IMPROVEMENT TO ENHANCE THE QUALITY OF HEALTHCARE IN HARAPAN BUNDA HOSPITAL JAKARTA	109
A101	I Nyoman Gede Bayu Wiratama Suwedia, Atik Nurwahyuni	REDUCED LENGTH OF STAY IN CHILDREN WITH DIARRHEA FOLLOWING IMPLEMENTATION OF CLINICAL PATHWAY	110
A102	I Nyoman Gede Semarajana, Prastuti Soewondo	FACTORS RELATED TO PENDING CLAIM IN INDONESIAN NATIONAL HEALTH INSURANCE (JKN): A SYSTEMATIC REVIEW	111
A103	Ida Bagus Nyoman Maharjana, Adik Wibowo	FACTORS RELATED TO THE REDUCTION OF MEDICATION DISCREPANCIES AT TRANSITION OF CARE: A SYSTEMATIC REVIEW	112
A104	Maria Wahyu Daruki, Atik Nurwahyuni, Adang Bachtiar	EFFECTIVENESS OF CAESAREAN SECTION CLINICAL PATHWAY TOWARDS HOSPITAL LENGTH OF STAY: A SYSTEMATIC REVIEW	113
A105	Meike Magnasofa, Mardiaty Najib	THE LEADERSHIP ROLE FOR A SUCCESSFUL CHANGE MANAGEMENT: A SYSTEMATIC LITERATURE REVIEW	114
A106	Mia Mariani	THE CHILD'S DENTAL TREATMENT WITH SEDATION: REASONS, DENTAL TREATMENT NEEDS, MEDICAL CONDITION, AND HISTORY OF DENTAL ANXIETY AMONG CHILDREN IN YARSI DENTAL HOSPITAL	115
A107	Milya Timeida, Kurnia Sari	HOSPITAL EMPLOYEES' PERCEPTION OF MARKETING STRATEGY AT H. ABDUL MANAP GENERAL HOSPITAL IN JAMBI CITY	116
A108	Prisca Gisella, Adang Bachtiar	A DEMOGRAPHIC PICTURE ON MEDICAL CHECK UP PATIENTS AND ITS ASSOCIATION WITH PATIENT SATISFACTION LEVEL AT X HOSPITAL IN WEST JAKARTA FOR THE PERIOD OF OCTOBER 2018- FEBRUARY 2019	117
A109	Retno Dewi Sulistyowati, Adang Bachtiar	HOW EFFECTIVE IS SIMULATION-BASED EDUCATION FOR IMPROVING THE NURSES' KNOWLEDGE ON PEDIATRIC IV INSERTION: A SYNTHESIS FROM AWAL BROS HOSPITAL GROUP IN INDONESIA	118
A110	Rizky Anggraita Damayanti, Adang Bachtiar	OUTCOME OF PATIENT SAFETY CULTURE USING THE HOSPITAL SURVEY ON PATIENT SAFETY CULTURE (HSOPSC) IN ASIA: A SYSTEMATIC REVIEW WITH META ANALYSIS	119
A111	Rovels Agber Maywell Iroth, Anhari Achadi	THE IMPACT OF CLINICAL PATHWAY TO EFFECTIVENESS OF PATIENT CARE IN CURRENT MEDICAL PRACTICE IN HOSPITAL: A LITERATURE REVIEW	120
A112	Siti Lestarinigrum, Adang Bachtiar	PATIENT SATISFACTION ON NATIONAL HEALTH INSURANCE (JKN) SERVICES	121
A113	Sukma Marthia Rahani, Amal Chalik Sjaaf	THE EFFECT OF ANTIEMETIC FOR GALACTOGOGUE	122
A114	Tantri Puspa Ditya, Adang Bachtiar	PROVIDING ADEQUATE INFORMATION FOR OUTPATIENTS IN RSUPN DR. CIPTO MANGUNKUSUMO JAKARTA NOVEMBER 2018 - FEBRUARY 2019	123
A115	Tetriyadi, Atik Nurwahyuni	THE VARIATION OF CAESARIAN SECTION COSTS IN INDONESIAN HOSPITALS: A NARRATIVE REVIEW	124



A116	Umi Fikria Arif, Ede Surya Darmawan	THE USE OF SOCIAL MEDIA AS HOSPITAL MARKETING TOOL	125
A117	Suherni, Anita Rahmawati, Ilma Aptaningrum	THE INFLUENCE OF SMARTPHONE APPLICATION ON THE HYGIENE BEHAVIOR OF EXTERNAL REPRODUCTIVE ORGAN OF FEMALE STUDENTS IN 1st SEYEGAN SLEMAN JUNIOR HIGH SCHOOL	126
A119	Maria Magdalena Purba	NURSING IMPLEMENTATION IN CONTROL LONG COGNITIVE AND PSYCHOMOTOR CAPABILITIES OF HALLUCINATORY PATIENTS IN KALAWA ATEI MENTAL HOSPITAL OF PALANGKA RAYA	127
A122	Masrinto Pongrambu, Pateeya Kitcharoen	NEEDS ASSESSMENT OF LEADERSHIP TRAINING & DEVELOPMENT PROGRAM: A CASE STUDY AT INDONESIA'S NATIONAL AGENCY OF POPULATION AND FAMILY PLANNING (BKKBN)	128
A123	Utut Septi Asrianti, Arisara Leksansern	LEADERSHIP SKILL AND MANAGEMENT PROCESS IN CENTER OF INFORMATION AND COUNSELING (CIC) AT UPPER SECONDARY SCHOOLS IN SOUTH JAKARTA CITY, INDONESIA	129
A124	Silvia Tarigan, Adang Bachtiar	A REVIEW OF THE BALANCED SCORECARD IMPLEMENTATION IN HEALTH SECTOR ORGANIZATION	130
A125	Mutiara Ayu Muthiatulsalimah, Sri Rahayu	DETERMINANT OF CHRONIC ENERGY MALNUTRITION OF PREGNANT WOMEN AT KARANG BANDAR LAMPUNG HEALTH CENTER	131
A126	Muhammad Firdaus, Amal Chalik Sjaaf	IMPROVING PATIENT SAFETY AND HOSPITAL SERVICE QUALITY THROUGH ELECTRONIC MEDICAL RECORD: A SYSTEMATIC REVIEW	132
A127	Ni Putu Indra Dewi, Dumilah Ayuningtyas	ANALYSIS OF MARKETING STRATEGIES ON MEDICAL TOURISM PROGRAMS IN DEVELOPING COUNTRIES HOSPITALS IN ASIA	133
A128	Anindita Santoso, Prastuti Soewondo	UNIVERSAL PRECAUTION OF SECTIO CAESARIA IN SURGICAL ROOM	134
A130	Nasser Mehrdadi, Farshad Golbabaee Kootenaee	EFFECT OF ULTRASOUND TECHNOLOGY ON WASTEWATER TREATMENT EMPHASIZING ON HEALTH ISSUE	135
A131	Aye Thi Khaing, Sirinya Phulkerd, Amara Soonthornhdhada, Ayesandar Mon, Pojjana Hunchangsith	FACTORS INFLUENCING DELIVERY BY SKILLED BIRTH ATTENDANTS AND POSTNATAL HEALTH CHECK AMONG MOTHER IN HLAING-THARYAR TOWNSHIP, MYANMAR	136
A132	Fauziah Nasution, Azhari Akmal Tarigan, Putra Apriadi Siregar, Watni Marpaung	PERCEPTION OF PICTORIAL HEALTH WARNING ON CIGARETTE PACKS, SMOKING BEHAVIOUR AND WANT TO QUIT SMOKING AMONG STUDENTS UNDERGRADUATE OF STATE ISLAMIC UNIVERSITY OF NORTH SUMATERA, INDONESIA	137
POSTER PRESENTATION			
B003	Indri Hafida, Linda Arum Sari, Mohammad Afan Setyadi, Muhammad Zaini Rahman, Alfredo Juan Pratama	MYDIETDAY: A WEB-BASED ALTERNATIVE SOLUTION FOR EFFECTIVE DIET	138
B005	Annisa Septy Nurcahyani, Diyah Fatmasari	PRENATAL YOGA TO REDUCE PREGNANT WOMEN STRESS: A LITERATUR REVIEW	139



B006	Candra Tyas Nur Fitria, Triana Sri Hardjanti	COMPLEMENTARY AND NON-PHARMACOLOGY THERAPY FOR LABOR PAIN	140
B007	Diksi Laksmitta Dewi, Sri Rahayu	EXCLUSIVE BREASTFEEDING FOR STUNTING PREVENTION : A LITERATURE REVIEW	141
B008	Dina Hanifa, Sri Rahayu	HERBAL LACTAGOGUE FOR BREASTFEEDING MOTHERS IN INDONESIA: A LITERATURE REVIEW	142
B009	Endah Purwanti Handayani, Ririn Indriani, Friska Oktaviana, Ida Ariyanti	HEALING TOUCH AS COMPLEMENTERY TREATMENT IN MIDWIFERY ASPECT : A REVIEW	143
B010	Enny Trisanti, Runjati, Tecky Afifah Santy Amarta	MASSAGE FOR REDUCING POST-CESAREAN PAIN: A SYSTEMATIC REVIEW	144
B011	Entan Afriannisyah, Agustin Setianingsih	COMBINATION OF ACUPRESSURE WITH YOGA (ACUYOGA) TO REDUCE BACK PAIN IN PREGNANT WOMEN	145
B012	Erlin Chusnia Putri, Dyah Fatmasari	EFFECTIVENESS OF FENUGREEK SEEDS (<i>Trigonella foenumgraecum</i>) ON BREAST MILK PRODUCTION: A LITERATURE REVIEW	146
B013	Ester Dolla, Dyah Fatmasari	MASSAGE FOR WEIGHT GAIN AND REDUCING TIME OF HOSPITALIZATION ON PRETERM BABY IN NICU ROOM: A LITERATURE REVIEW	147
B014	Ewith Widya Mareta, Triana Sri Hardjanti	THE EFFECT OF OXYTOCIN AND PAPAYA EXTRACT ON PROLACTIN HORMONE LEVELS AND BREAST MILK VOLUME IN NORMAL POST PARTUM MOTHERS	148
B015	Friska Oktaviana, Ririn Indriani, Endah P Handayani, Ida Ariyanti	PARENTS' ROLE IN TODDLERS FEEDING FOR OBESITY PREVENTION	149
B016	Handayani, Susanti Pratamaningtyas	SOYBEAN, PALM DATE, AND KATUK LEAVES CONSUMPTION TO INCREASE BREASTMILK PRODUCTION	150
B017	Hasriyanti Romadhoni F, Soeharyo Hadisaputro, Dhias Widiastuti	HERBS FOR EPISIOTOMY WOUND HEALING	151
B018	Herlina, Sri Sumarni, Rr Sri Endang Pujiastuti	ACUPRESSURE FOR REDUCING BACK PAIN IN TRIMESTER III PREGNANT WOMEN	152
B019	Ica Maulina Rifkiyatul Islami, Meisha Julian Anggraini, Rizky Amelia	BIOMARKERS ARE THE BEST SCREENING TO PREDICT PREECLAMPSIA: A REVIEW	153
B020	Isnu Kurnia Nugrahaeni, Mardiyono Mardiyono	PREGNANCY MASSAGE THERAPY TO REDUCE DEPRESSION: A SYSTEMATIC REVIEW	154
B021	Kintan Anissa, Kun Aristanti Susiloretni	CHILDBIRTH ATTENDED BY LABOR DOULA: A LITERATURE REVIEW	155
B022	Maratus Sholichah Fitriah Hajar Kusnianto, Listiyaning Eko Martanti	MOBILE APPLICATION FOR EARLY DETECTION OF BREAST CANCER: A REVIEW	156
B023	Meisha Julian Angraini, Ica Maulina, Rizky Amelia	IS UTERINE MASSAGE EFFECTIVE TO PREVENT POSTPARTUM HEMORRHAGE? A REVIEW	156



B024	Miftah Nurlaily El Akhlaq, Mardiyono Mardiyono	THERAPY FOR PREECLAMPSIA SHOULD BE COMBINED FOR MAXIMUM TREATMENT: A SYSTEMATIC REVIEW	157
B025	Oknalita Simbolon, Yovialist Radjatadoe, Mardiono Mardiono, Cristinawati B\R Sihaloho	OVERSEAS EARLY BREASTFEEDING INITIATION PROGRAM: A SYSTEMATIC REVIEW	158
B026	Paulina Pida, Listyaning Eko Martanti	EFFECTIVENESS OF BABY MASSAGE IN REDUCING BILIRUBIN LEVELS AMONG INFANTS WITH HYPERBILIRUBINEMIA: A LITERATURE REVIEW	159
B027	Putri Maretyara Saptiyani, Riska Ismawati Hakim, Umaroh Umaroh, Ari Suwondo	AROMATHERAPY FOR NAUSEA AND VOMITING IN PREGNANCY: A LITERATURE REVIEW	160
B028	Ririn Indriani, Endah P Handayani, Friska Oktaviana, Ida Ariyanti	EFFECTIVENESS OF MASSAGE FOR BABY'S GROWTH AND STUNTING DETECTION : A LITERATURE RIVIEW	161
B029	Martha Jessica, Adang Bachtiar	CORRELATION BETWEEN LEVEL OF KNOWLEDGE AND PRACTICING BREAKFAST AMONG UNDERGRADUATE STUDENTS IN FACULTY OF PUBLIC HEALTH UNIVERSITY OF INDONESIA	162
B030	Melissa Paulina Pasaribu, Adang Bachtiar	THE LEVEL OF KNOWLEDGE ON 1000 THOUSAND FIRST DAYS OF LIFE AMONG HEALTH SCIENCE STUDENTS IN UNIVERSITY OF INDONESIA	163
B031	Shandy Wigya Mahanani, Isnu, Umaroh	THE EFFECT OF HYPNOTHERAPY FOR DECREASING ANXIETY IN PREGNANCY AND CHILDBIRTH	164
B032	Sherly Dwi Gustiya, Ngadiyono	DETERMINANTS OF STUNTING AMONG UNDER- FIVE IN INDONESIA: A LITERATURE REVIEW	165
B033	Siti Nurharisah, Sri W Mamat, Diyas Windarena, Beniqna M Besmaya	THE EFFECTIVENESS OF MINDFULNESS THERAPY FOR ANXIETY AND DEPRESSION IN PREGNANT WOMEN: A REVIEW	166
B034	Widyaning Dara Utami, Suharyo Hadisaputro, Tecky Afifah Santy Amaritha	INCREASING ADOLESCENTS' KNOWLEDGE AND ATTITUDES TOWARDS MENSTRUAL HYGIENE MANAGEMENT: A LITERATURE REVIEW	167
B035	Yeni Nurlita Seftia Dewi, Diyah Fatmasari	YOGA AS AN EFFECTIVE WAY TO REDUCE LOW BACK PAIN IN THIRD TRIMESTER PREGNANT WOMEN	168
B036	Yulia Febrina, Runjati	E E-PARTOGRAPH ADDIE MODEL AS LABOR LEARNING MODULE FOR MIDWIVES	169
B037	Yuliani Tangko, Asrawaty, Ida Ariyanti	THE EFFECTIVENESS OF PERINEAL MASSAGE TO PERINEAL RUPTURE IN PRIMIGRAVIDA WITH NORMAL BIRTH	170
B038	Zahrotun Nisa' Setyoputri, Mardiyono Mardiyono	EFFECTIVENESS OF MASSAGE FOR WEIGHT GAIN OF PREMATURE INFANTS: A REVIEW	171
B039	Irmastuti Lukitaning Alam	EFFECT OF OXYTOCIN MASSAGE WITH LAVENDER AROMATHERAPY INCREASING BREAST MILK PRODUCTION	172
B040	Rizqi D Pratiwi, Raffiky P Sustamy, Sri Wahyuni	PROGRESSIVE MUSCLE RELAXATION IN PREGNANCY: A LITERATURE REVIEW	173
B041	Natalia, Riyanti	STRATEGY INNOVATION IN PREVENTING TEENAGE PREGNANCY THROUGH BIDAN LEWU AND FAMILY ROLE	174
B042	Rofian Widyanita, Sri Rahayu	FACTORS AFFECTING EARLY BREASTFEEDING INITIATION: A LITERATURE REVIEW	175



B043	Anyta Ekaningsih, Adang Bachtiar	HEALTH PROMOTION PRACTITIONER'S ROLES IN BEHAVIOR CHANGE COMMUNICATION STRATEGY: A SYSTEMATIC REVIEW	176
B044	Athaya Aurelia, Adang Bachtiar	ANALYSIS OF DURATION IN USING GADGETS ON EYE REFRACTION ERRORS AMONG UNDERGRADUATE STUDENTS IN FACULTY OF PUBLIC HEALTH UNIVERSITY OF INDONESIA (UI)	177
B053	Fatimah Azzakiyah, Tjut Sutjighassani, Yani Triyani	HIGH HUMIDITY AND LOW TEMPERATURE AS THE RISK FACTORS OF SCABIES IN ISLAMIC BOARDING SCHOOLS (PESANTREN) IN BANDUNG	178
B055	Nora Adila, Nila Susanti	PROVIDING SUPPLEMENTARY FOOD TO IMPROVE NUTRITION STATUS IN UNDERNOURISHED TODDLER: CASE STUDY IN KALAMPANGAN	179
B056	Zuhrina Aidha, Reni Agustina Harahap, Delfriana Ayu	CHARACTERISTICS OF HYPERTENSION PATIENTS IN COASTAL DISTRICT PERCUT SEI TUAN	180
B057	Cristinawati BR Haloho, Melyana Nurul Widyawati, Oknalita Simbolon, Yovialist Putri R	IDENTIFYING AUTISM SPECTRUM DISORDER (ASD) AND THE TREATMENTS TO REDUCE ITS SEVERITY: A SYSTEMATIC REVIEW	181
B058	Hilma Triana, Sunarto, Sri Sumarni, Maya Erisna	WHAT HAPPENED IF WOMAN IN REPRODUCTION AGE ARE GIVEN BETA VULGARIS? A REVIEW	182
B060	Nur Djanah, Suherni, Ida Dwi Utari, Dela Ratna Sari	ADOLESCENT PREGNANCY WITH INCIDENCE OF ABORTION	183
B062	Corry Ocvita Sari, Ratih Kumorojati	THE DESCRIPTION OF TODDLERS FEEDING IN CLINICS NGEEMPLAK I REGENCY OF SLEMAN YOGYAKARTA	184
B064	Asrawaty, Endri Astuti, Dhita Aulia	EFFECTIVENESS OF MASSAGE FOR INFANTS AND TODDLERS WITH ACUTE RESPIRATORY INFECTION: A LITERATURE REVIEW	185
B067	Febi Ratnasari, Isna Wanufika, Epa Yohanti	FACTORS AFFECTING THE NUTRITIONAL DEFICIENCY AND POOR NUTRITION OCCURENCES IN TODDLERS AT THE KUTABUMI COMMUNITY HEALTH CENTER, TANGERANG, INDONESIA	186
B068	Varisa Nowangi Irianti, Nur Khafidhoh	BENEFITS OF UMBILICAL CORD MILKING VERSUS DELAYED CORD CLAMPING OUTCOMES IN PRETERM INFANTS: A LITERATURE REVIEW	187
B069	Yulvira Febriani, Mardiyono	USE OF HERBAL PLANTS FOR ACUTE RESPIRATORY INFECTION (ARI) IN TODDLERS: LITERATURE REVIEW	188
B070	Siti Nadirah, Nur Imtihana Makmur, Runjati, Tecky Afifah Santy Amarthia	COMPARING THE EFFECTIVENESS GYM DISMENORE AND WARM WATER COMPRESS IN REDUCING MENSTRUAL PAIN	189
B072	Sepsiana Puspitasari, Yuni Kusmiyati, Yuliasiti Eka Purnamaningrum	THE CORRELATION BETWEEN MENSTRUAL CHARACTERISTICS AND ANEMIA PREVALENC IN MIDWIFERY STUDENTS OF YOGYAKARTA	190
B073	Eliska, Nurhayati, Petti Siti Fatimah	COASTAL NUTRITION STATUS OF THE COUNTRY REVIEWED FROM SOCIAL CULTURE AND ISLAMIC PERSPECTIVE	191
ORAL PRESENTATION WITHOUT PUBLICATION			
C001	Ivana Aprilia Pratiwi, Varongsiri Kemsawasd, Thunnalin Winuprasith	STORAGE STABILITY OF HIGH FIBER SNACK BAR	192



C002	Thi Bich Hien Tran, Obnithi Noppa, Anunyporn Phungsom, Kanlaya Prapainop	SYNTHESIS AND CHARACTERIZATION OF PROTEIN CONJUGATED CADMIUM TELLURIDE QUANTUM DOTS FOR BREAST CANCER TARGETING	193
C003	Silfia Nuzulus Sa'idah, Yunaenah Setiawati, Ahmad Wibisono	RELATIONSHIP OF KNOWLEDGE AND ATTITUDE OF ANEMIA WITH ORAL IRON CONSUMPTION AMONG ADOLESCENT	194
C004	Ayu Pratiwi, Desi Sintia	QUALITATIVE STUDY : THE EXPERIENCE OF SWITCHING FROM SMOKING TOBACCO CIGARETTE TO SMOKING ELECTRONIC CIGARETTE IN KARAWACI DISTRICT IN 2018	195
C005	Alif Hamzah, Uswatun Khasanah, Dini Norviatin	CORRELATION OF AGE, SEX, HEREDITY SMOKING HABBIT, OBESITY, AND SALT CONSUMPTION TOWARDS HYPERTENSION LEVEL IN CIREBON, INDONESIA	196
C007	Marwan Hermawan, Amanah Amanah, Nurbaiti Nurbaiti	IN VITRO INHIBITORY ACTIVITY OF DAYAK ONION (<i>Eleutherine bulbosa</i> Mill.) ESSENTIAL OIL AGAINST <i>Klebsiella pneumoniae</i>	197
C008	Agnescia Clarissa Sera	CRITICS ON POLICY OF SOY-BASED INFANT FORMULA IN INDONESIA: COMPARING TO AUSTRALIA AND NEW ZEALAND FOOD STANDARDS	198
C009	Ida Ariyanti, Nur Khafidoh, Sri Rahayu	EFFECTS OF EXPERIENCE SHARING ON ANXIETY AMONG WOMEN WITH LOW BIRTH WEIGHT BABIES	199
C010	Nur Khafidhoh, Ida Ariyanti, Triana Sri Hardjanti	EFFECTS OF SOY MILK ADMINISTRATION ON BLOOD PRESSURE, LDL LEVEL AND PROTEIN IN URINE OF WOMEN WITH GESTATIONAL HYPERTENSION	200
C011	Sri Rahayu, Umaroh	EFFECTS OF ROLLING MASSAGE AND ST-18 ACUPRESSURE ON BREAST MILK PRODUCTION AND REDUCED FUNDAL HEIGHT	201
C012	Rezwana Sultana, Mohammad Hayatun Nabi, Shaikh Abdus Salam, Mohammad Delwer Hossain Hawlader	ASSOCIATION BETWEEN BODY COMPOSITION AND HYPERTENSION AMONG ADULT POPULATION OF BANGLADESH	202
C013	Restiana Kristin, Dhini	TODDLER ACCEPTANCE ON VEGETABLE SIDE DISH MODIFICATION AT CINTA DAYCARE PALANGKA RAYA	203
C014	Heni Puji Wahyuningsih, Diana Oktaviastuti Darmasetya	FACTORS AFFECTING EXCLUSIVE BREASTFEEDING IN RURAL AREA OF YOGYAKARTA	204
C015	Yuliasti Eka Purnamaningrum, Margono, Regita Cita Puspitasari, Riska Rahmawati, Risma Fitria Dianasari, Izzudien Sobri	CHARACTERISTICS OF STUNTING IN TODDLERS AGED 12-59 MONTHS IN KULON PROGO, YOGYAKARTA, INDONESIA	205
C016	Munica Rita Hernayanti, Yuliasti Eka Purnamaningrum, Dwiana Estiwidani, Denny Iswara	ASSOCIATION OF HEALTH WORKER ROLES AND FAMILY SUPPORT TO ANXIETY AND BREASTMILK SUFFICIENCY IN MOTHERS WITH LOW BIRTH WEIGHT INFANTS	206
C017	Zannatul Arafat, Gias Uddin Ahsan, Mohammad Delwer Hossain Hawlader, Mohammad Hayatun Nabi	RISK FACTORS OF LATERAL EPICONDYLITIS AMONG THE PATIENTS ATTENDED IN A SPECIALIZED HOSPITAL IN BANGLADESH: A HOSPITAL BASED CASE-CONTROL STUDY	207
C018	Silvia Intan Suri, Hema Malini	SMOKERS' EXPERIENCES IN QUITTING SMOKING HABIT	208

**POSTER TALK PRESENTATION**

PT01	Asti Arieayani, Dumilah Ayuningtyas	LEAN METHOD IMPLEMENTATION TO REDUCE OVERCROWDING IN THE EMERGENCY DEPARTMENT: A SYSTEMATIC REVIEW	209
PT02	Dewi Citra Puspita, Adang Bachtiar	STRATEGY FORMULATION FOR HOSPITALS IN REMOTE AREAS: CASE STUDY OF X HOSPITAL, WEST BORNEO PROVINCE, INDONESIA, 2019	210
PT03	Elfry Syahril, Amal Chalik Sjaff	THE QUALITY ANALYSIS OF OUTPATIENT SERVICES SATISFACTION AT KH DAUD ARIF HOSPITAL, KUALA TUNGKAL, TANJUNG JABUNG BARAT REGENCY, JAMBI PROVINCE, INDONESIA	211
PT04	Elsa Primasari, Wahyu Sulistiadi	HALAL FOOD SUPPLY MOTIVATION FOR MUSLIM PATIENTS	212
PT05	Ida Ayu Wirastuti, IB Nyoman Maharjana, Prastuti Soewondo	PREVENTION AND MANAGEMENT FOR THE COMPLICATION OF THIRD MOLAR SURGERY: A SYSTEMATIC REVIEW	213
PT06	Irin Kirana, Wahyu Sulistiadi, and Tjen Dravinne Winata	SPECIAL DENTAL CASE SHEET AS A MEDICAL AND FORENSIC COMMUNICATION TOOL	214
PT07	Leti Ratna Kusumawati, Kombes dr. Munir. Sp.R, Adang Bachtiar	ANALYSIS EFFECTIVITAS RELATING TO THE WAITING TIME IN CT SCANNING PROCEDURE BASED ON THE MALCOM BALDRIDGE APPROACH ON OUTPATIENT TREATMENT PATIENTS AT THE RADIOLOGY INSTALLATION OF THE CENTRAL POLICE HOSPITAL R. SAID SUKANTO	215
PT08	Mardiah, Sulistiadi Wahyu	THE ROLE OF HOSPITAL MARKETING MIX TO THE SELECTION OF THE HOSPITAL CONSUMER	216
PT09	Melanie Vandauli, Adang Bachtiar	THE ANALYSIS OF HIV COUNSELING AND TESTING IN TUBERCULOSIS PATIENT AT A PRIVATE HOSPITAL IN SOUTH JAKARTA, INDONESIA	217
PT10	Ni Putu Ayu Prima Dewi, Adang Bachtiar	TRAVEL MEDICINE MANAGEMENT FOR THE ANTICIPATION OF INFECTIOUS DISEASES IN SOUTHEAST ASIA: A SYSTEMATIC REVIEW	218
PT11	Ni Putu Deni Adi, Yaslis Ilyas	SYSTEMATIC REVIEW: DETERMINANTS OF PATIENT SATISFACTION WITH HOSPITAL SERVICES	219
PT12	Petra Ade Paramita Lestari, Adang Bachtiar	FACTORS AFFECTING THE COMPLIANCE AND UTILISATION OF ANTENATAL CARE (ANC) IN BOTH HIGH INCOME COUNTRIES AND LOW- MIDDLE INCOME COUNTRIES: A SYSTEMATIC REVIEW	220
PT13	Purbosari, Ede Surya Darmawan	TURNAROUND TIME OF DIAGNOSTIC LABORATORY RESULTS AS A QUALITY IMPROVEMENT TO PATIENT SATISFACTION: A SYSTEMATIC LITERATURE REVIEW	221
PT14	Yuliani, Atik Nurwahyuni	THE ACCURACY OF DIAGNOSIS, PROCEDURES AND CODING COMPLETENESS AND THEIR CORRELATION WITH INA-CBG CLAIMS	222
PT15	Nurul Qosimah Batubara, Adik Wibowo	THE INFLUENCE OF MARKETING MIX TO PATIENT SATISFACTION IN HOSPITALS: NARRATIVE REVIEW	223
PT16	Essi Guspaneza, Evi Martha	DETERMINANT OF UNWANTED PREGNANCY IN INDONESIA 2017 (A SECONDARY DATA ANALYSIS OF 2017 IDHS)	224

ICASH-C016

ASSOCIATION OF HEALTH WORKER ROLES AND FAMILY SUPPORT TO ANXIETY AND BREASTMILK SUFFICIENCY IN MOTHERS WITH LOW BIRTH WEIGHT INFANTS

Munica Rita Hernayanti*, Yuliasti Eka Purnamaningrum, Dwiana Estiwidani, Denny Iswara*

Department of Midwifery Poltekkes Kemenkes Yogyakarta

*Corresponding author's e-mail: municaadriana@gmail.com

ABSTRACT

Background: *Low Birth Weight (LBW) is the largest contributor to infant mortality during perinatal period. Yogyakarta is a province in Indonesia with the second highest LBW incidence, reached to 12.1%. One effort of LBW is to maintain exclusive breastfeeding. Stress experienced by the mother affects the smooth breastfeeding process and breast milk sufficiency. This research is aimed to identify the relation of support of health officer and family with the anxiety and sufficiency of breast milk to mothers who have LBW.*

Methods: *This research is a cross-sectional study. The respondents of the study were mothers who had LBW infants treated in the hospital's perinatal chamber. The data was obtained using a set of questionnaires and observation sheets.*

Results: *The results shows that the majority of mothers were in healthy reproductive age (20-35 years), upper secondary education, unemployment, low socioeconomic classes and sufficient breastfeeding. Most mothers received family support from husbands and other family members and do not experience physical or psychological anxiety.*

Conclusion: *From this study, it is noted that there is no relationship between family support with maternal physical and psychological anxiety. However, the study found there is a relationship between support of health workers and families with breastfeeding adequacy. It is suggested that the Standard Operating Procedures (SOP) and leaflet assistance for mothers who have LBW in hospital perinatal room may play important roles in handling mothers' anxiety and breastmilk sufficiency.*

Keywords: *Support, Maternal anxiety, Breastmilk sufficiency.*