

Table of Contents

WELCOME MESSAGE FROM THE CONFERENCE CHAIRMAN	1
OPENING REMARK FROM THE DEAN OF THE FACULTY OF NURSING	3
TOPIC 1: Innovation in Clinical Nursing.....	5
PREVALENCE PERSISTENT POST-CONCUSSION SYNDROME IN ADULTS AFTERMILD TRAUMATIC BRAIN INJURY	6
<i>Putra Agina Widyaswara Suwaryo, Fairrul Kadir, Azizan Omar, Sukhbeer Kaur Darsin Singh</i>	
BEHAVIORAL MODEL DEVELOPMENT DOCUMENTATION NURSE BASED ON WORK PRODUCTIVITY TO OBEDIENCE DOCUMENTATION IN THE HOSPITAL:SYSTEMATIC RIVIEW	7
Diana Rochman	
RELATIONSHIP BETWEEN NUTRITIONAL STATUS AND QUALITY OF LIFE IN PATIENTS WITH CHRONIC KIDNEY DISEASE UNDERGOING HEMODIALYSIS	8
Abu Bakar, Rini Purwanti, Desak Putu Kuniawati, Siti Nur Qomariah	
QUALITY OF LIFE FAMILY CAREGIVERS OF DIALYSIS PATIENTS: ALITERATURE REVIEW	9
<i>Lailatun Nimah, Nursalam Nursalam, Herdina Mariyanti</i>	
SYSTEMATIC REVIEW: TELEHEALTH IN THE PATIENTS MANAGEMENT WITHHEART FAILURE	10
<i>Citra Indra Gustian, Nursalam, Nuzul Qur'aniati</i>	
THE EFFECTIVENESS OF TELEHEALTH ON BLOOD GLUCOSE STABILITY INTYPE 2 DIABETES MELLITUS: A SYSTEMATIC REVIEW	11
<i>Nurwahidah, Abu Bakar, Harmayetty</i>	
EFFECTIVENESS OF FOOTWEAR AND INSOLE DESIGN TO PREVENT RISKFOOT ULCER IN PEOPLE WITH DIABETES: A SYSTEMATIC REVIEW	12
<i>Fitriatul Jannah, Sriyono, Ni Ketut Alit Armini</i>	
EFFECT OF AEROBIC EXERCISE AND DIABETES REGISTRY IN LOSINGWEIGHT AND BLOOD SUGAR: SYSTEMATIC REVIEW	13
<i>Seby Prasasti Ritaningsih, Ninuk Dian K, Ika Nur Pratiwi</i>	

EFFECTIVENESS OF LAVA DEBRIDEMENT IN DIABETIC FOOT ULCERS: A SYSTEMATIC REVIEW.....	14
<i>Andi Safutra Suraya, Ninuk Dian Kurniawati, Herdina Mariyanti</i>	
INNOVATION OF COLOSTOMY WITH STOMA: SYSTEMATIC REVIEW.....	15
<i>Dinda Sesylia Octaviani, Ika Yuni Widyawati, Ira Suarilah</i>	
WHAT SHOULD CRITICAL CARE NURSES KNOW ABOUT NOSOCOMIAL PREVENTION CAUSED BY MULTIDRUG-RESISTANT ORGANISMS (MDROS)? A SYSTEMATIC REVIEW.....	16
<i>Rustiana Tasya Ariningpraja, Nurona Azizah</i>	
DIGITAL-BASED INTERVENTIONS FOR PAIN MANAGEMENT IN HOSPITALIZED CHILDREN UNDERGOING MEDICAL PROCEDURES – A BIBLIOGRAPHICAL ANALYSIS	17
<i>Kevin Efrain Tololiu, Krisztina Csokasi</i>	
THE BONNY METHOD OF GUIDED IMAGERY AND MUSIC FOR PAIN ONCORONARY ARTERY DISEASES: A SYSTEMATIC REVIEW.....	18
<i>Yunani, Nursalam</i>	
HOW TO PREVENT MULTI-ORGANISM RESISTANT TRANSMISSION (MRO) VIA BLOOD PRESSURE CUFF?: A SYSTEMATIC REVIEW	19
<i>Leli Ika Hariyati</i>	
HOW IS INFORMATION TECHNOLOGY CAN ASSIST NURSING PRACTICE?: A SYSTEMATIC REVIEW.....	20
<i>Ana Suciari, Sriyono</i>	
HEALTH INTERVENTION SUCCESS WITH CELLULAR-BASED TELEHEALTH FOR THE TREATMENT OF HYPERTENSION: A SYSTEMATIC REVIEW	21
<i>Agustina, Eka Misbahatul Mar'ah Has, Retno Indarwati</i>	
THE EFFECTIVENESS OF SWALLOWING THERAPY OF DYSPHAGIA IN STROKE PATIENTS A SYSTEMATIC REVIEW.....	22
<i>Ahla Chayatush Sholichah, Yulis Setiya Dewi, Harmayetty</i>	

IMPROVING DEVELOPMENTAL OF STUNTING CHILDREN WITH PSYCHOSOCIAL STIMULATION.....	23
---	----

Ning Iswati, Azizhan Omar, Sukhbeer Kaur Darsin Singh

THE INFLUENCE OF FACE ACCUPRESSURE THERAPY AND LAVENDER AROMA THERAPY ON REDUCING ANXIETY IN PRE-OPERATING PATIENTS IN CENTRAL SURGERY INSTALLATION CENTRAL SURGICAL INSTALLATIONS OF THE CLIENT WAITING ROOM.....	24
--	----

Arizka Dwi Irawan, H. Ah Yusuf, Ika Nur Pratiwi

EFFECT OF AWAKE PRONE POSITION (APP) IN COVID-19 PATIENTS WITH MILD-MODERATE SYMPTOMS TO REDUCE THE RISK OF DEVELOPING INTO SEVERE CASES: A SYSTEMATIC REVIEW	25
---	----

Andis Yuswanto, Abu Bakar, Wardah Rahmatul Islamiyah

EFFECTIVENESS OF SPIRITUAL EMOTIONAL FREEDOM TECHNIQUE (SEFT) THERAPY ON BLOOD PRESSURE REDUCTION IN HYPERTENSION PATIENTS	26
--	----

Revi Neini Ikkal, Rebbi Permata Sari

DEVELOPMENT THE HANDOVER TOOL WITH ISBAR METHOD IN ANESTHESIA UNIT WITH ANDROID APPLICATION BASED TO THE COMPLETENESS HANDOVER DOCUMENTATION PRE AND POST ANESTHESIA IN RSUD HAJI SURABAYA	27
--	----

Dony Dwi Purnama Putra, Abu Bakar, Laily Hidayati

EFFECTS OF SPIRITUAL CARE INTERVENTION ON QUALITY OF LIFE, 6MWT, SST2, AND VMA PATIENTS WITH HEART FAILURE.....	28
---	----

Fanni Okviasanti, Ah. Yusuf, Ninuk Dian Kurniawati, Nursalam, Azizah Khoiriyati

COMBINATION OF DEEP TISSUE MASSAGE (DTM) AND EARLY MOBILITY INTERVENTIONS TO REDUCE THE LEVEL OF PAIN AND ANXIETY OF POST CESAREAN SECTION PATIENTS	29
---	----

Selviana Toding, Esti Yunitasari, Ni ketut Alit

FOOT EXERCISE WITH GOLF BALL TREATMENT TO IMPROVE ANKLE BRACHIAL INDEX OF DIABETES MELLITUS PATIENTS IN SURABAYA	30
--	----

Fadhilah Anggraini, Ika Yuni Widyawati, Ika Nur Pratiwi

FACTORS ASSOCIATED THE QUALITY OF LIFE OF CHILDREN WITH THALASSEMIA: A LITERATURE REVIEW	31
--	----

Wuri Utami, Mohd Nazri, Khalid Mokti

EMOTIONAL AND SPIRITUAL SELF-AWARENESS HAS A RELATIONSHIP WITH CONTROLLING BLOOD PRESSURE IN PEOPLE WITH HYPERTENSION.....	32
<i>Abu Bakar, Mira Faulita, Erna Dwi Wahyuni, Ni Luh Putu Inca Buntari Agustini, Siti Nur Qomariah</i>	
MANAGEMENT OF DIABETIC ULCUSES TREATMENT.....	33
<i>Dadi Santoso, Rajesh Khumar A/L Muniandy</i>	
IMPROVING DOCUMENTATION OF PRESENTING PROBLEMS IN THE EMERGENCY DEPARTMENT USING A DOMAIN-SPECIFIC ONTOLOGY BASE ON3S.....	34
<i>Arista Maisyaroh, Eko Prasetya Widiyanto, Syaifuddin Kurnianto</i>	
DEVELOPMENT OF MOBILE APP: "5-MINUTE MINDFUL BREATHINGEXERCISE" FOR WOMEN WITH ENDOMETRIOSIS	35
<i>Mardiana Mansor, Mei Chan Chong, Ping Lei Chui, Mukhri Hamdan, Rif'atunnailah Mat Isa</i>	
HOW DIABETIC FOOT ULCER PATIENTS CAN PERFORM SELF-CARE OF WOUNDS: AN INTEGRATIVE LITERATURE REVIEW	36
<i>Retnayu Pradanie, Laily Hidayati, Novita Setyawati, Cicilia Wahyu Indah Sari, Sirikanok Klankhajhon</i>	
THE PERCEPTION OF PREGNANT WOMEN ABOUT THE NEED FOR ONLINE MATERNAL HEALTH SERVICES	37
<i>Novita Verayanti Manalu, Siti Kotijah, Esti Yunitasari, Ah Yusuf</i>	
INTEGRATED CARE PLAN IN THE HOSPITAL SETTING: A SCOPING REVIEW	38
<i>Bangun Mukti Ardi, Nursalam, Alfian Nur Rosyid</i>	
PATIENT'S PERSPECTIVE OF MEDICATION ADHERENCE ON CANCER TREATMENT; A QUALITATIVE STUDY	39
<i>Susilo Harianto, Dewi Maryam, Nursalam</i>	
IMPLEMENTATION OF EARLY WARNING SCORE IN INPATIENTS AND INFLUENCING FACTORS: A MIXED METHODS STUDY NURSES AT PROF. DR.	40
<i>I Nyoman Windhu Paramarta, I Ketut Swarjana, Ni Made Dewi Wahyunadi, Yustina Ni Putu Yusniawati</i>	

NURSE PERSPECTIVE AND WILLINGNESS TO PERFORM PRONE POSITIONING FOR ARDS PATIENT IN THE ICU SETTING: A QUALITATIVE STUDY OF THE BENEFIT AND BARRIER..... 41

Sriyono, Hakim Zulkarnain, Filomena Matos, Jujuk Proboningsih

SLEEP HYGIENE FOR SLEEP PROMOTION IN THE INTENSIVE CARE PATIENT 42

Puput Ika Retnowati, Erna Dwi Wahyuni, Arina Qona'ah

LITERATURE REVIEW: COGNITIVE BEHAVIORAL THERAPY (CBT) TO REDUCE ANXIETY IN DYSPEPTIC PATIENTS 43

Milasari

PROTECTION MOTIVATION-BASED HEALTH EDUCATION ON DIABETIC ULCER PREVENTION BEHAVIOR 44

Ninuk Dian Kurniawati, Maria Sofia Anita Aga, Rr Dian Tristiana

THE RELATIONSHIP BETWEEN LIFESTYLE AND BODY MASS INDEX (BMI) WITH PRE-ECLAMPSIA..... 45

Qurrotu Aini, Merlyna Suryaningsih, Aulatin Nisa

ANALYSIS OF STROKE SEVERITY FACTORS IN THE ED OF SYARIFAH AMBAMIRATO EBUH BANGKALAN HOSPITAL..... 46

Nisfil Mufidah, Rahmad Wahyudi, Amirah

THE EFFECT OF DASH (DIETARY APPROACHES TO STOP HYPERTENSION) DIETARY EDUCATION IN CONTROLLING BLOOD PRESSURE IN HYPERTENSION PATIENTS 47

Mulia Mayangsari, Moh. Lutfi, Bella Rista Andini

TREATMENT OF FOOT CARE WITH THE RISK OF DIABETIC FOOT ULCER IN PATIENTS WITH TYPE 2 DIABETES MELLITUS..... 48

Rahmad Wahyudi, Nisfil Mufidah, Bella Rista Andini

THE EFFECT OF THE COMBINATION OF PROGRESSIVE MUSCLE RELAXATION AND FIVE-FINGER HYPNOSIS ON ANXIETY AND RETURN OF GERD DISEASE 49

Ni Made Ridla Nilasanti Parwata, Agusrianto

RESEARCH AND DEVELOPMENT OF HEMODIALYSIS PATIENT SAFETY INSTRUMENTS 50

Choirul Anwar, Nursalam, Satriyo Dwi Suryantoro

THE EFFECTIVENESS OF AROMATHERAPY ON SLEEP QUALITY, ANXIETY, AND FATIGUE IN PATIENTS UNDERGOING HEMODIALYSIS : A SYSTEMATIC REVIEW..... 50

Anis Taslim

PROFESSIONALISM AND ORGANIZATIONAL CULTURE FACTORS IN PRE-HOSPITAL ACKNOWLEDGEMENTS..... 50

Kristianto Dwi Nugroho, Berliany Venny Sipollo, Sri Puguh Kristiyawati

CORELATION SELF ACCEPTANCE WITH NEEDED PALLIATIVE CARE FOR TUBERCULOSIS PATIENTS..... 50

Rizal Indra Fauzi, Suksi Riani, Riris Risca Megawati

TOPIC 2: Innovation in Community Nursing 54

THE EFFECTIVENESS OF HEALTH EDUCATION, MODULE AND RELAXATION METHOD FOR PRE-ELDERLY AND ELDERLY WITH HYPERTENSION 55

Widanarti Setyaningsih, Ulfah Nuraini Karim

MOBILE APPLICATION INTERVENTION TO IMPROVE NUTRITIONAL LITERACY OF MOTHERS WITH STUNTING CHILDREN: A SYSTEMATIC REVIEW 56

Diana Sukmawati Hasan, Yuni Sufyanti Arief, Ilya Krisnana

INTERVENTIONS TO IMPROVE TREATMENT ADHERENCE IN COMMUNITY PULMONARY TUBERCULOSIS PATIENTS: A SYSTEMATIC REVIEW..... 57

Hesti Warastuti Luwarsih, Tintin Sukartini, Makhfudli Makhfudli

FAMILY SUPPORT FOR TREATMENT COMPLIANCE IN PULMONARY TUBERCULOSIS: A SYSTEMATIC REVIEW..... 58

Syahrudin Lahuo, Kevin Efrain Tololiu, Joni Haryanto, Dianis Wulansari

REVIEW MODEL CAREGIVER EMPOWERMENT TO CHANGE BEHAVIOR STYLE FOR HYPERTENSION IN ELDERLY 59

Tri Nurhidayati, Ah Yusuf

COMMUNITY AND FAMILY-BASED INTERVENTION STRATEGIES TO PREVENT STUNTING: A SYSTEMATIC REVIEW 61

Yunidar Dwi Puspitasari, Retno Indarwati, Eka Misbahatul M.Has

HEALTH BELIEF-BASED SOCIAL SUPPORT EFFECTIVENESS MODEL FOR

INCREASING SELF-ACCEPTANCE OF TB PATIENTS EXPERIENCING STIGMA AND DISCRIMINATION: A SYSTEMATIC REVIEW 62

Fransiska Fabiola Mau Leon, Tintin Sukartini, Makhfudli

THE EFFECT OF SLOW STROKE BACK MASSAGE ON BLOOD PRESSURE CHANGES IN PRE-HYPERTENSION PATIENTS AT HEALTH CENTER OF PASIRPANJANG AND HEALTH CENTER OF OESAPAKUPANG CITY 63

Ovindiana De Corona Dias Quintas, Sriyono, Ira Suarilah

THE INFLUENCE OF IMPLEMENTATION OF HEALTH PROMOTION AND EDUCATION IN SPECIFIC INTERVENTION TARGET GROUPS THROUGH NUTRITION IN STUNTING PREVENTION MEASURES: A SYSTEMATIC REVIEW 64

Luvelia Andreja Da Costa Freitas Ximenes, Eka Mishbahatul, Retno Indarwati

FAMILY SUPPORT IN HYPERTENSION CONTROL IN THE ELDERLY: A LITERATURE REVIEW 65

Hendri Tamara Yuda, Syed Sharizman Bin Syed Abdul Rahim, Mohd Faizal Madrim

COMMUNITY HEALTH NURSING INTERVENTIONS PROMOTING FAMILY ADAPTATION TO COMMUNICABLE DISEASE DIAGNOSIS: A SCOPING REVIEW 66

R Endro Sulistyono, Nurul Hayati, Suhari

USE OF E-COUNSELING TO ENHANCE ADHERENCE OF PATIENT TUBERCULOSIS: A SYSTEMATIC REVIEW 67

Rani Dwi Sulistiawati, Tintin Sukartini, Makhfudli

THE EFFECT OF FIDGET TOYS POP IT PLAY THERAPY TOWARDS INCREASING CONCENTRATION AND CALCULATION ABILITY IN MILD MENTAL RETARDATION CHILDREN IN SLB PAMEKASAN DISTRICT 68

Dina Shifana, Nuzul Qur'aniati, Rr Dian Tristiana, Mundakir, Alison Hutton

PSYCHOSOCIAL ASPECTS AND FAMILY SUPPORT WITH PERSONAL HYGIENE BEHAVIOR IN OLDER ADULTS 69

Marthalia Oktavianty Dwi Cahyani, Elida Ulfiana, Aria Aulia Nastiti

THE EFFECTIVENESS OF IMPLEMENTING MUSIC INTERVENTIONS AS HEALTH PROMOTION AMONG THE ELDERLY: A SYSTEMATIC REVIEW 70

Blandina Easter Grace Wairata, Retno Indarwati, Dianis Wulan Sari

ANALYSIS OF FACTORS RELATED TO OLDER ADULTS DECISIONS IN COVID-19 VACCINATION BASED ON THEORY OF PLANNED BEHAVIOR..... 71

Retno Indarwati, Selsza Pramesti Cintara, Dianis Wulan Sari

DETERMINANTS OF SUCCESSFUL AGING IN OLDER ADULTS: A SYSTEMATIC REVIEW OF PSYCHOLOGICAL, SOCIAL, AND PHYSICAL FACTORS..... 72

Audy Savira Yustanti, Nadiya Sahara Annisa, Retno Indarwati, Andri Setiya Wahyudi

TELEHEALTH FOR HEALTHY GESTATIONAL WEIGHT GAIN AMONG OVERWEIGHT PREGNANT WOMEN: A SCOPING REVIEW..... 73

Kusnul Chotimah, Eka Misbahatul M. Has, Praba Diyan R

CORRELATIONAL ANALYSIS: KNOWLEDGE, TRAINING, AND ATTITUDE TOWARDS FIRST AID INJURIES AMONG BANJARMASIN HIGH SCHOOL STUDENTS 74

Mira, Izma Daud, Rinda Asmarani Nur Asih

PHENOMENOLOGY STUDY OF EARLY MARRIAGE IN SAMPANG DISTRICT 75

Lingga Curnia Dewi, Andri Setiya Wahyudi, Arizah Hanani, Khatijah Liem

MODEL OF FAMILY EMPOWERMENT BASED ON MADURA SOCIAL AND CULTURE STRUCTURE ON STUNTING PREVENTION ABILITY 76

Suryaningsih, Fitriah, Rodiyatun

THE EFFECTIVENESS OF HEALTH EDUCATION, MODULE AND RELAXATION METHOD FOR PRE-ELDERLY AND ELDERLY WITH HYPERTENSION 77

Widanarti Setyaningsih, Ulfah Nuraini Karim

BODY INDEX RELATIONSHIP AND BEHAVIOR SMOKING WITH THE EVENT OF KNEE OSTEOARTHRITIS IN ELDERLY USING WESTERN ONTARIO AND MCMASTER INDEX... 78

Agus Priyanto, Alvin Abdillah, Dian Muslimah

ANALYSIS FACTORS RISK OF FALLING IN THE ELDERLY 79

Luluk Fauziyah Januarti, Alvin Abdillah, M. Hasinuddin, Harmoko

INTEGRATED FAMILY EMPOWERMENT GOVERNANCE STRATEGY TO PREVENTION OF STUNTING IN BANGKALAN DISTRICT..... 80

Fitria, Suryaningsih, Rodiyatun, Mustafa Haris, Mufarika

FAMILY ROLES, PARENTING CULTURE, AND STUNTING WITH THE FAMILY CENTERED NURSING APPROACH	81
---	----

Luluk Fauziyah, M. Hasinuddin, Heni Ekawati

THE RELATIONSHIP BETWEEN SOCIAL SUPPORT AND QUALITY OF LIFE OF CERVICAL CANCER PATIENTS WHO DO CHEMORADIATING IN HOSPITAL	82
---	----

Ike Prafita Sari, Ika Suhartanti, Henry Sudiyanto, I Kadek W

THE ROLE OF FAMILY SUPPORT AS A MODERATING VARIABLE IN FACTORS AFFECTING PATIENT COMPLIANCE UNDERGOING HYPERTENSION TREATMENT DURING A PANDEMIC PERIOD	83
--	----

Eka Diah Kartiningrum, Hari Basuki Notobroto, Lutfi Agus Salim, Henry Sudiyanto, Rifaatul Laila Mahmudah, Ni Ketut Dian Erlyawati

ONLINE TRAINING OF LARVAE MONITORING TO IMPROVE KNOWLEDGE AND ATTITUDES OF JUNIOR HIGH SCHOOL STUDENTS	84
--	----

Dwiharini Puspitaningsih

RELATIONSHIP BETWEEN KNOWLEDGE AND ATTITUDE TOWARD BEHAVIOR OF COVID-19 PREVENTIVE ACTION AMONG PEOPLE LIVING WITH HIV-AIDS (PLWHA)	85
---	----

Selvi Alfrida Mangundap, Rina Tampake, Lenny Duyoh, Baiq Emy Nurmalisa

PEER RELATIONSHIPS AND PORNOGRAPHY EXPOSURE WITH ADOLESCENT SEXUAL BEHAVIOR AT SMP NEGERI 4 SIGI	86
--	----

Taqwin

EFFECT OF HAND-HELD FAN AND PEPPERMINT AROMATHERAPY ON DYSPNEA PERCEPTION, RESPIRATORY RATE AND PEAK EXPIRATORY FLOWRATE IN PATIENTS WITH PPOK	87
--	----

Dewi Nurviana Suharto, Agusrianto, Nirva Rantesigi

A LITERATURE REVIEW: THE USE OF INDIVIDUAL BELIEF MODELS AND SELF-CONTROL OF INTERNET GAMING BEHAVIOR	88
---	----

Ananda Patuh Padaallah

THE EFFECTIVENESS OF SI-MONTOK PROGRAM (EDUCATION, MONITORING, PMT AND VISITS BY POSYANDU CADRES) IN PREVENTING STUNTING FOR CHILDREN .. 88

Shifa Ayu Wardani, Yuliana Ika Safitri, Anggun Ikhtiarni, Bagus Ananta Tanujiarso, Prita Adisty Handayani

TOPIC 3: Innovation in Nursing Education 90

THE EFFECT OF PROGRESSIVE MUSCLE RELAXATION THERAPY ON ACADEMIC STRESS LEVELS IN ADOLESCENTS CLASS XII 91

Hanim Nur Faizah, Suhartono, Hyan Oktodia Basuki, Hanatasya Ridha Deanira

NEW NURSE EXPERIENCE IN THE PRECEPTORSHIP PROCESS: A SYSTEMATIC REVIEW 92

Ari Setyaning Astuti, Eka Mishbahatul Mar'ah Has, Kristiawati

ZOOM FATIGUE RELATED TO ACADEMIC SELF-EFFICACY IN NURSING STUDENTS DURING THE COVID-19 PANDEMIC 93

Melania Natalia Tia Darmiati, Ika Yuni Widyawati, Erna Dwi Wahyuni

OPTIMIZING THE IMPLEMENTATION OF OBJECTIVE STRUCTURAL CLINICAL EXAMINATION (OSCE) IN NURSING EDUCATION: A SYSTEMATIC REVIEW 94

Candra Panji Asmoro, Isni Rahmi Kartika Ali, Teguh Dwi Saputro, Damai Widyandari

THE EFFECT OF AUTOGENIC RELAXATION WITH DHIKR ON PAIN IN CORONARY HEART DISEASE PATIENTS IN THE ICU ROOM OF SULTAN AGUNG ISLAMIC HOSPITAL SEMARANG 95

R. Yoga Adita Pratama, Abu Bakar

THE EFFECT OF VIRTUAL REALITY THERAPY OF MUROTTAL AL-QURAN ON THE ANXIETY OF NON-SURGICAL ADULT PATIENTS AT THE EMERGENCY INSTALLATION OF SULTAN AGUNG ISLAM HOSPITAL SEMARANG..... 96

Edy Nugroho, H.Ah Yusuf, Erna Dwi

DEVELOPMENT OF INTERPERSONAL SOFT SKILLS LEARNING MODEL BASED TLTD TO IMPROVE HOSPITAL NURSES'S COMPETENCY IN TIMOR-LESTE: A CROSS-SECTIONAL STUDY 97

Domingos Soares, Nursalam, Ferry Efendi, Tintin Sukartini, Mira Triharini

SPECIAL EDUCATIONAL FOR PARENTS OF PREMATURE: A SCOPING REVIEW 98

Eka Riyanti, Helen Benedict Lasimbang, Kew Seih Teck

OPEN SUCTION SYSTEM AND CLOSED SUCTION SYSTEM EFFECTIVENESS ON OXYGEN SATURATION IN PATIENTS WITH MECHANICAL VENTILATORS IN ICU, SULTAN AGUNG ISLAMIC HOSPITAL, SEMARANG..... 99

Nurulis Ika Fitri Astutiningsih, Ferry Efendi

EFFECTIVENESS OF ANDROID-BASED DECUBITUS RISK ASSESSMENT INSTRUMENTS ON DECUBITUS IN INTENSIVE CARE UNIT PATIENTS SULTANAGUNG ISLAMIC HOSPITAL, SEMARANG 100

Deni Supriyanti, Ferry Efendy

DEVELOPING OF INSTRUCTION BY USING MELAYU TRIAGE VIDEO OF PEOPLE IN NARATHIWAT : PRELIMINARY STUDY 101

Fursan Binsa

THE EFFECT OF BRISK WALKING EXERCISE TO REDUCE BLOOD PRESSURE IN HYPERTENSION: A SYSTEMATIC REVIEW 102

Melya Nur Azizah, Ninuk Dian Kurniawati, Andri Setiya Wahyudi

APPLICATION EDUCATIONAL PRECISION OF FLUID MANAGEMENT ON FLUID MANAGEMENT ABILITY IN CONGESTIVE HEART FAILURE (CHF) 103

Andy Kristiyan, Ninuk Dian Kurniawati, Junait

THE EFFECT OF EDUCATION THROUGH STORY BOOKS WITH PICTURE ON COVID-19 PREVENTION BEHAVIOR IN ELEMENTARY SCHOOL STUDENTS..... 104

Anisa Dewi Ramadhani, Istinengtiyas Tirta Suminar

SINAU REMPAH CARD: A TRADITIONAL GAMES TO PREVENT COVID-19 AMONG CHILDREN 105

Rosiana Eva Rayanti, Fiane de Fretes, Galuh Ambar Sasi

IMPLEMENTATION OF THE INDIVIDUAL AND FAMILY SELF MANAGEMENT MODEL ON BLOOD SUGAR LEVELS 106

Muhammad Afif Hilmi Masyfahani, Dony Sulystiono, Kusmini Suprihatin

BEHAVIOR MOTHER'S KNOWLEDGE AND ATTITUDE TOWARDS NUTRITIONAL STATUS OF CHILDREN AT THE COMMUNITY HEALTHCENTER, MAGETAN 107

Agung Suharto, Teta Puji Rahayu, Astuti Setiyani

THE EFFECT OF CASE STUDY AND TEAM-BASED PROJECT LEARNING METHOD IN MEDICAL SURGICAL NURSING LEARNING COMPETENCE 107

Felicia Risca Ryandini, Ismonah

TOPIC 4: Innovation in Nursing Management and Leadership..... 109

THE EFFECTIVENESS OF LEADERSHIP STYLES AS AN EFFORT TO IMPROVE NURSE PERFORMANCE AND REDUCE BURNOUT SYNDROME: A SYSTEMATICREVIEW 110

Nurul Eko Cahyanti, Mira Triharini, Nuzul Qur'aniati

DISCHARGE PLANNING INSTRUMENT USING MHEALTH TO INCREASE MEDICATION COMPLIANCE FOR TUBERCULOSIS PATIENTS: A SYSTEMATICREVIEW 111

Evi Wulandari, Rizki Fitryasari, Nuzul Qur'aniati

NURSE WORKLOAD WITH COMPLETENESS OF NURSING DOCUMENTATIONMODEL SOURCE ORIENTED RECORD DURING PANDEMIC PERIOD (IN THE REGIONAL GENERAL HOSPITAL DR. R. KOESMA TUBAN) 112

Tiara Putri Ryandini, Lukman Hakim, Mokhamad Nurhadi, Mei Widyawati

COMPLAINT MANAGEMENT USING THE MHEALTH APPLICATION AS ANEFFORT TO IMPROVE HOSPITAL QUALITY: A SYSTEMATIC REVIEW 113

Evi Andayani, Rizki Fitryasari, Dianis Wulan Sari

THE CORRELATION BETWEEN LEADERSHIP STYLE OF CHIEF NURSE WITH NURSE JOB SATISFACTION IN BOUGENVILLE AND TERATAI ROOMS AT RSUDDR. R. KOESMA TUBAN..... 114

Muhammad Sudrajad, Miftahul Munir

ANALYSIS OF FACTORS THAT INFLUENCE QUALITY OF NURSING WORK-LIFE (QNWL) BASED CARING AND BURNOUT SYNDROME AMONG FEMALE NURSES 115

Tita Rohita, Nursalam Nursalam, Muhammad Hadi, Dedeng Nurkholik

THE ASSOCIATION BETWEEN DISTURBANCE SLEEP AND TURNOVERINTENTION AMONG NURSES AT HOSPITAL: A SYSTEMATIC REVIEW 116

Edy Irawan Nasition, Eka Mishbahatul Mar'ah Has, Dianis Wulan Sari

DEVELOPMENT OF EMR-BASED OTEK NURSING INTERVENTION DOCUMENTATION FOR INCREASING NURSE PERFORMANCE: A SYSTEMATIC REVIEW 117

Indrasari Wardani, Hanik Endang Nihayati, Ika Nur Pratiwi

CORRELATION OF PROFESSIONAL NURSING PRACTICE MODEL ON MOTIVATION AND ORGANIZATIONAL CULTURE FOR STUDENTS AT BLAMBANGAN HOSPITAL.. 118

Bahrul Ulumi, Hanik Endang Nihayati, Ilya Krisnana

TRANSFORMATIONAL LEADERSHIP ON NURSE JOB SATISFACTION: A SYSTEMATIC REVIEW 119

Maria Goretti.Y, Mira Triharini

PATIENT SAFETY CULTURE INSTRUMENT: A SYSTEMATIC REVIEW 120

Eni Puji Lestari, Mira Triharini, Nuzul Qur'aniati

FACTORS OF IMPLEMENTING DOCUMENTATION OF NURSING CARE IN THE INTENSIVE CARE UNIT SPACE: A SYSTEMATIC REVIEW 121

Nur Fikri, Ninuk Dian Kurniawati

DEVELOPMENT OF NURSERY DOCUMENTATION INSTRUMENTS FOR PATIENTS UNDERGOING OUTPATIENT HEMODIALYSIS BASED ON STARKES 2022 122

El Faraby, Nursalam, Hanik Endang Nihayati

ANALYSIS OF THE INFLUENCE OF NURSE COMMUNICATION COMPETENCE ON PATIENT SATISFACTION: A SYSTEMATIC REVIEW 123

Indah Azhari, Eka Mishbahatul Mar'ah Has, Ilya Krisnana

EFFECTIVENESS OF NURSE LEADERSHIP STYLE ON NURSE RETENTION: A SYSTEMATIC REVIEW 124

Amani Istiqomah, Hanik Endang Nihayati, Ilya Krisnana

THE EFFECTIVENESS METHOD OF NURSE COMPETENCY ASSESSMENT TO IMPROVE NURSE PERFORMANCE: A SYSTEMATIC REVIEW 125

Shofiyah Wati, Nursalam, Retno Indarwati

APPLICATION OF WORK CULTURE TO IMPROVE THE QUALITY OF NURSING SERVICES: A SYSTEMATIC REVIEW 126

Siti Kalimah, Rizki Fitryasari

ICU NURSES READINESS IN ELECTRONIC NURSING RECORDS IMPLEMENTATION: A SYSTEMATIC REVIEW 127

Erna Dwi Wahyuni, Ninuk Dian Kurniawati, Yulis Setiya Dewi, Nursalam

IMPROVING THE EFFECTIVE COMMUNICATION PRACTICES OF NURSE WITH MENTORSHIP-BASED LEARNING APPROACH 128

Achmad Djojo, Suhariyanto Suhariyanto, Egidius Umbu Ndeti, RR Tutik Sri Haryati, Tiara Octary

DEVELOPMENT OF THE ROLE OF HEAD OF ROOM MANAGEMENT ON NURSING QUALITY: A SYSTEMATIC REVIEW 129

Paskalia Uut, Rizki Fitryasari P. K

THE DESCRIPTION OF IMPLEMENTATION PATIENT SAFETY GOALS THROUGH IMPROVED KNOWLEDGE MANAGEMENT IN HOSPITAL: 130

Bayu Kisworo, Rizki Fitryasari P. K, Aria Aulia Nastiti

THE PERSPECTIVE OF AGEISM IN TIME OF THE COVID-19 PANDEMIC BETWEEN NURSES AND CAREGIVERS IN LONG-TERM CARE FACILITIES 131

Dianis Wulan Sari, Elida Ulfiana, Nourmayansa Vidya Anggraini, Niko Dima Kristianingrum, Gading Ekapuja Aurizki, Maiko Noguchi-Watanabe

EFFORTS TO OPTIMIZE THE IMPLEMENTATION OF CREDENTIALS ACCORDING TO NATIONAL STANDARDS FOR HOSPITALS ACCREDITATION ISSUE 1.1 131

M Fahrin Azhari, Herman Ariadi, Dewi Setya Paramitha

THE WHOLE PICTURE OF FEMALE NURSE FACULTY LEADERS: A SYSTEMATIC REVIEW 133

Ira Suarilah, Gading Ekapuja Aurizki, Purwaningsih, Mulyadi, Christina Vourvachi

ANALYSIS FACTOR REASON FAILURE USE SYSTEM INFORMATION MANAGEMENT PUSKESMAS (SIMPUS) AT PUSKESMAS BURNEH 134

Eddy Moeljono, Eka Suci Daniyanti, Enggal Sari Maduratna, Muhammad Fikri Fahmi

ANALYSIS FACTOR REASON FAILURE USE SYSTEM INFORMATIONMANAGEMENT
PUSKESMAS (SIMPUS) AT PUSKESMAS BURNEH 134

Eddy Moeljono, Eka Suci Daniyanti, Enggal Sari Maduratna, Muhammad Fikri Fahmi

IMPROVING NURSE JOB SATISFACTION IN THE HANDOVER PROCESS BY THE
DOCUMENTATION-BASED SWITCH HANDOVER METHOD..... 134

Ika Suhartanti, Anndy Prastya, Mujiadi

TOPIC 5: Mental Health and Wellbeing 136

QUALITY OF LIFE AMONG ADOLESCENCES CHILDREN OF PARENTS WITHMENTAL
ILLNESS: A SCOPING REVIEW..... 137

RR Dian Tristiana, Ah Yusuf, Rizki Fitriyasari

COMPARATIVE STUDY OF ELDERLY QUALITY OF LIFE 138

Citra Windani Mambang Sari, Hartiah Haroen

PREFERENCES FOR DIGITAL INTERVENTION IN PEOPLE WITHSCHIZOPHRENIA 139

Sri Padma Sari, Deborah Lycett, Faith Martin, Andy Turner

PROFILE OF INVOLVEMENT AS A VICTIM OF CYBERBULLYINGAND SELF ESTEEM IN
ADOLESCENTS..... 140

Nia Agustiningsih, Ah Yusuf, Ahsan

THE EFFECT OF PROTECTIVE AND RISK FACTORS ON FAMILY RESILIENCEAS
CAREGIVERS OF SCHIZOPHRENIA PATIENTS: A CROSS-SECTIONAL STUDY 141

Faizatur Rohmi, Ah. Yusuf, Rizky Fitriyasari, Hardiyanto, Arik Agung Setiawan

STUDY OF THE DEVELOPMENT OF TELENURSING METHODS OF DECISIONTHERAPY
WITHOUT SHACKLES ON THE INTENTION OF REPEATED SHACKLING DECISIONS IN
FAMILIES WITH MENTAL ILLNESS..... 142

Helly M. Katuuk, Rizkan H. Djafar

SPIRITUALITY AND RECOVERY OF MENTAL DISORDER:LITERATUR REVIEW 143

Sawab, Ah Yusuf, Rizky Fitriyasari

“I AM GRATEFUL WITH MY LIFE”: EXPLORING RESILIENCE AND QUALITY OF LIFE IN
INDONESIAN ADULTS LIVING WITH HIV 144

Novianti Laililah, Nursalam, Retno Indarwati

THE EFFECT OF PEER GROUP SUPPORT WITH BOOKLETS MEDIA TO THE
KNOWLEDGE AND ATTITUDE OF ADOLESCENTS ABOUT EARLY MARRIAGE 145

Fanny Nayluzzuharo' N, Tiyani, Esti Yunitasari, Retnayu Pradanie, Joni Haryanto

INTEGRATION OF TELEMENTAL HEALTH AND MOBILE HEALTH TO REACHOUT
PATIENTS AT COMMUNITY MENTAL HEALTH SERVICES: A SYSTEMATIC REVIEW
APPROACH..... 146

Rian Priambodo, Rizki Fitryasari, RR Dian Tristiana

IMPLEMENTATION OF HEALTH COACHING FOR PEOPLE WITH MENTALHEALTH
DISORDER: A SCOPING REVIEW..... 147

Andriani, Ah Yusuf, Rizky Fitryasari, Kusrini S Kadar, Sitti Musdalifah Ahmad, Ariyanti Saleh

COGNITIVE PERSPECTIVES OF PARENT ABOUT SELF HARM BEHAVIOR IN
ADOLESCENTS DUE TO SOCIAL MEDIA IN KEBUMEN REGENCY..... 148

Ike Mardiaty Agustin, Fadilla Mulyaningrum, Sawiji

EFFECTIVENESS OF MOBILE APP-BASED INTERVENTION FOR REDUCING
DEPRESSIVE SYMPTOMS: SYSTEMATIC REVIEW OF RANDOMIZED CONTROLLED
TRIAL 149

Nadiya Sahara Annisa, Audy Savira Yustanti, Joni Haryanto, Kristiawati

DOES GENDER AND EMOTIONAL INTELLIGENCE AFFECT ADOLESCENTEMOTIONAL
REGULATION IN CYBERBULLYING?..... 150

Nia Agustiningsih, Ah Yusuf, Ahsan

THE CORRELATION OF SMARTPHONE ADDICTION WITH ANXIETY ANDDEPRESSION
IN SCHOOL-AGED CHILDREN 151

Firnanda Erindia, Ah Yusuf, Rr Dian Tristiana

THE ASSOCIATION OF SELF-CONTROL WITH INTERNET ADDICTIONAMONG
TEENAGER'S STUDENTS 152

Ariestika Baktian Hapsari, Rizki Fitryasari, Dianis Wulan Sari, Rr. Dian Tristiana, Ah Yusuf

ANXIETY SYMPTOMS AND SLEEP DISORDERS IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE 153

Irmawan Andri Nugroho, Susanto Rakhman

RELATIONSHIP BETWEEN SELF-EFFICACY AND CAREGIVER RESILIENCE WHO CARES FOR PEOPLE WITH SCHIZOPHRENIA..... 153

Amelia Susanti, Diana Arianti

SOCIAL SUPPORT, STRESS AND ANXIETY OF OVERSEAS STUDENTS DURING THE COVID-19 PANDEMIC: A CORRELATION STUDY 155

Merry Noviyanti, Mira Triharini, Elida Ulfiana

ANALYSIS OF CYBERBULLYING EVENTS WITH ANXIETY LEVELS IN NEW STUDENTS..... 155

Welly, Edo Gusdiansyah

IDENTIFICATION OF STRESS, ANXIETY, AND DEPRESSION LEVELS IN FAMILY CAREGIVERS OF PEOPLE WITH MENTAL DISORDERS 157

Rindayati Rindayati, Anwar Ma'ruf, Nisa Kurnia Illahiati Mahfudli Mahfudli, Emuliana Sulpat, Kaldera Yugi Pratama

DESCRIPTION OF SELF-ESTEEM OF SOCIAL MEDIA USERS IN ADOLESCENTS: A SYSTEMATIC REVIEW..... 158

Siti Kotijah, Ah. Yusuf, Rizki Fitryasari P.K., Novita Verayanti Manalu, Titik Sumiatin

GLOBAL PREVALENCE OF SCHIZOPHRENIA AND PSYCHOTIC DISORDERS OTHER AMONG THE HOMELESS AND THEIR IMPLICATIONS: SYSTEMATIC REVIEW..... 159

Wasiaty, Hanik Endang Nihayati, Rr. Dian Tristiana

BURNOUT AMONG NURSES DURING COVID-19 OUTBREAK: A COMPARISON BETWEEN INDONESIA AND TIMOR-LESTE 160

Yurike Septianingrum, Andikawati Fitriasari, Nunik Purwanti, Lono Wijayanti, Siti Nurjanah, Jony da Silva, Domingos Soares, Joaquin Gregorio, Paulo Lopez, Jermias da Cruz, Angelina A. Gusmao

SECOND VICTIM EXPERIENCE, COPING STYLES, COMPASSION FATIGUE, AND COMPASSION SATISFACTION AMONG NURSES IN CHINA..... 161

Xizhao Li, Chong Mei Chan, Che Chong Chin, Yamin Li, Ling Wang

EMPOWERING FAMILIES OF SCHIZOPHRENIA PATIENTS THROUGH INTEGRATIVE INTERVENTIONS: MITIGATING RELAPSE RISK AND IMPROVING CAREGIVING SKILLS..... 162

Dwi Indah Iswanti, Nursalam, Rizki Fitryasari, Rika Sarfika

LITERATURE REVIEW : VIRTUAL REALITY THERAPY FOR CANCER..... 162

Desi Ariyana Rahayu, Ah Yusuf

HEALTH PROMOTING LIFESTYLE AMONGST NURSES IN INDONESIA; ACROSS SECTIONAL STUDY 164

Syiddatul Budury, Priyagung Gusmantara, Nunik Purwanti, Nur Hidaayah, Khamida Khamida, Siti Khuzaimah Ahmad Sharoni

BOARD GAME AS A MEDIA OF GROUP ACTIVITIES THERAPY IN INDIVIDUALS WITH LOW SELF-ESTEEM..... 165

Desi, Sania Elshaday Lekawael, T. Arie Setiawan Prasida

MOSQUE CONGREGATIONAL COMPLIANCE IN IMPLEMENTING HEALTH PROTOCOLS DURING THE COVID-19 PANDEMIC 166

Mamnuaah, Nur Faidati, Noorwahyu Trihidayati

EFFECT OF MUROTTAL ALQUR'AN THERAPY AGAINST STRESS IN MENTAL ILLNESS CAREGIVERS: LITERATURE REVIEW 167

Tri Sumarsih, Norkiah binti Arsat

NURSES' RESILIENCE OF TAKING CARE OF PATIENTS WITH COVID-19: A PHENOMENOLOGICAL STUDY 168

Rifky Octavia Pradipta, Yulis Setiya Dewi, Hidayat Arifin, Arina Qonaah, Titis Mustikowati Danasari

LITERATURE STUDY: ANALYSIS OF PSYCHOSOCIAL DETERMINANTS OF STUNTING INCIDENCE IN INDONESIA..... 169

Meti Agustini

THE RELATIONSHIP BETWEEN DEPRESSION LEVEL AND NEGLIGENCE OF THE ELDERLY IN YOGYAKARTA..... 170

Meti Agustini

THE CORRELATION BETWEEN STRESSOR WITH STRESS OF HEMODIALYSIS WARD HOSPITAL NURSES..... 171

Khoridatul Bahiyah, Nur Mahfuzah Zein, Laily Hidayati, Tintin Sukartini

EXPRESSION OF ANGRY EMOTION: A CROSS-SECTIONAL STUDY IN ADOLESCENTS 172

Nikmatul Fadilah, Dinarwiyata, Dyah Wijayanti

THE ROLE OF THE FAMILY IN A TRAUMATIC CARE FOR CHILDREN WITH POST SEXUAL ABUSE 173

Yessy Dessy Arna

THE RELATIONSHIP BULLYING INCIDENTS WITH SOCIAL INTERACTION ABILITY IN ELEMENTARY SCHOOL-AGE CHILDREN 174

Hanik Endang Nihayati Erna Dwi Nur'aini, Praba Diyan Rachmawati

MANAGEMENT OF DEPRESSION IN HEMODIALYSIS PATIENTS 175

Nurul Mawaddah, Mujiadi, Robby Wicaksono Utomo

THE EFFECT OF KIE AND FIVE FINGER LABELS ON THE LEVEL OF ANXIETY OF THE PATIENT'S FAMILY 176

Fitria Wahyu Ariyanti, Atikah Fatmawati, Sulis Diana

FAMILY STRESS IN CARING FOR PATIENTS WITH MENTAL DISORDERS: LITERATURE REVIEW 176

Deasti Nurmaguphita, Nurhayani

PROGRESSIVE MUSCLE RELAXATION THERAPY IN PATIENTS AT RISK OF VIOLENT BEHAVIOR: A CASE STUDY 176

Vivi Sovianti, Resa Nirmala Jona, Siti Juwariyah, Maya Cobalt Angio

UNDERSTANDING ANXIETY ON PATIENT OF CHRONIC DISEASE 176

Ni Made Ayu Wulansari, Laura K

TOPIC 6: Mother and Child Health 180

OXIDATIVE STRESS IN PRE-ECLAMPSIA: BIBLIOMETRIC VISUALIZATION STUDIES AND ANALYSIS..... 181

Endang Sri Wahyuni, Maryatun Maryatun, Irvina Nurul Mahmudah, Juleha Duwi Handayani

BREASTFEEDING ASSESSMENT SCORE (BAS) FOR RISK ASSESSMENT OF EARLY WEANING : LITERATURE REVIEW 182

Amellia Mardhika, Agus Sulistyono, Yuni Sufyanti Arief, Anastasia Pangestu Mei Tyas, Joko Susanto, Ni Wayan Suniyadewi

USE OF GREEN COCONUT WATER AS A NON-PHARMACOLOGICAL INTERVENTION IN WOMEN OF REPRODUCTIVE AGE EXPOSED TO COVID-19..... 183

Royani Chairiyah, Ulfah Nur Karim

FEEDING PATTERN WITH STUNTING INCIDENCE IN TODDLER 12-59 MONTHS AT PRIMARY HEALTH CARE X, WEST SUMATERA..... 184

Syalvia Oresti, Febry Handiny, Elfita Rahmi

THE IMPACT OF THE COVID-19 PANDEMIC ON THE PSYCHOLOGICAL DISTRESS OF PARENTS AND PEDIATRIC CANCER CARE 185

Ilya Krisnana, Praba Diyan R, Aria Aulia Nastiti, Domingos

THE RELATIONSHIP BETWEEN COPING MECHANISMS AND THE ANXIETY LEVEL IN PREGNANT WOMEN EXAMINED DURING THE COVID-19 PANDEMIC IN INDONESIA IN 2021 186

Dwi Kurnia Purnama Sari, Nur Cholila, Eva Silviana R

THE IMPACT OF COMPLEMENTARY FOOD INTERVENTIONS ON ADOLESCENCE STUNTING PREVENTION: A SYSTEMATIC REVIEW..... 187

Eishca Fanani Grathima, Esti Yunitasari, Retno Indarwati

ANALYSIS OF ANTENATAL CARE AS A FACTOR CAUSING IN CHILDREN A LITERATURE REVIEW 188

Hurun Ain, Yuni Sufyanti Arief, Rifani Trisianty, Supono Supono

FACTORS DETERMINING THE INCIDENCE OF RECURRENT ISPA IN TODDLERS: LITERATURE REVIEW	189
<i>Iqlima dwi kurnia, Yuni Sufyanti Arief, Ilya Krisnana</i>	
NUTRITIONAL FULFILLMENT BEHAVIOR OF PREGNANT WOMEN BASED ON THE HEALTH BELIEF MODEL THEORY IN SURABAYA	190
<i>Aria Aulia Nastiti, Mira Triharini, Nofinda Widya Sari, Nursalam Nursalam, Sandeep Poddar</i>	
MOTHERS' PERCEPTIONS OF FATHERS' PARTICIPATION IN DIETARY MANAGEMENT FOR CHILDREN UNDER FIVE YEARS	191
<i>Praba Diyan Rachmawati, Ilya Krisnana, Iftitakhur Rahmah, Iqlima Dwi Kurnia, Yuni Sufyanti Arief, Ferry Efendi, Khatijah Lim Abdullah, Lisa McKenna</i>	
RELATIONSHIP BETWEEN WATER, SANITATION, AND HYGIENE (WASH) AND STUNTING AMONG TODDLERS AGES 0 TO 59 MONTHS IN AN INDONESIAN COMMUNITY SETTING	192
<i>Nur Isnaini Wulan Rahmadhani, Nuzul Qur'aniati, Ika Nur Pratiwi</i>	
THE RELATIONSHIP BETWEEN CULTURE AND THE USE OF HERBAL MEDICINE IN POSTPARTUM MOTHERS IN THE OF BOROKO COMMUNITY HEALTH CENTER, BOLAANG MONGONDOW UTARA	193
<i>Mulyani Hertikawati Mahmud, Ika Yuni, Andri Setiya Wahyudi, Fijai Ambarak</i>	
THE EFFECT OF COUNSELING WITH EXPLOSION BOX ABOUT RESPONSIVE FEEDING AS A PREVENTIVE EFFORT STUNTING OF MOTHER'S KNOWLEDGE AT PUSKESMAS PANTOLOAN	194
<i>Henrietta Imelda Tondong, Arie Maineny, Ayu Febriyanti</i>	
FACTORS RELATED TO THE INCIDENCE OF DIARRHEA IN TODDLERS IN ONE OF PUBLIC HEALTH CENTER IN PADANG CITY	195
<i>Sari Indah Kesuma, Ledia Restipa</i>	
CLEAN AND HEALTHY LIFE BEHAVIOR (CHLB) AND THEIR RELATIONSHIP TO THE INCIDENCE OF STUNTING IN TODDLERS	196
<i>Yuni Sufyanti Arief, Elyza Tri Agustina, Lailatun Ni'mah</i>	
KNOWLEDGE AND PARENTING PATTERNS WITH THE IMPLEMENTATION OF STIMULATION COGNITIVE DEVELOPMENT IN PRESCHOOL CHILDREN	197
<i>Iqlima Dwi Kurnia, Retno Indarwati, Mega Ayu Lestari, Yuni Sufyanti Arief</i>	

CORRELATIONS OF ANTENATAL CARE FREQUENCY, COMPLIANCE TO IRON, AND KNOWLEDGE WITH ANEMIA IN PREGNANT WOMEN 198

Mira Triharini, Laily Hidayati, Ulfa Nafi'atuzzakiyah, Ni Ketut Alit Armini, Retnayu Pradanie, Amel Dawod Kamel Gouda

THE EFFECTIVENESS OF BIRTH BALL EXERCISE IN PRIMIPARA SELF-EFFICACY IN NORMAL CHILDBIRTH..... 199

Arfianingsih Dwi Putri, Desi Sarli, Titin Ifayanti

EFFECTIVENESS OF FINGERHOLD THERAPY AGAINST POST SECTIO CAESAREA PAIN INTENSITY 200

Adinda Putri Sari Dewi, Siti Maesaroh, Umi Laelatul Qomar

PARENTING STYLE FOR THE GROWTH AND DEVELOPMENT OF TODDLERS IN PADANG CITY 201

Fanny Ayudia, Afrira Esa Putri, Amrina Amran, Ririn

THE RELATIONSHIP BETWEEN FAMILY SUPPORT AND PREGNANT WOMEN'S BEHAVIOR IN EFFORTS TO PREVENT ANEMIA 202

Emuliana Sulpat, Esti Yunitasari, Amelia Mardhika, Lailatul Fadliyah, Susilo Harianto, Rindayati, Putri Bella Nurramdhani

COMBINATION OF ACUPRESSURE IN SP6 AND Gb21 POINTS WITH LAVENDER AROMATHERAPY ON UTERINE INVOLUTION IN POST PARTUM 203

Fatmi Nirmala Sari, Binarni Suhertusi

COMPARISON OF BODY WEIGHT OF INFANTS AGED 7-12 MONTHS THAT ARE EXCLUSIVE AND NON-EXCLUSIVE BREASTFEEDING IN BUGIS VILLAGE WORKING AREA OF PUSKESMAS SAPE DISTRICT, SAPE DISTRICT BIMA NTB..... 204

Hidayati, Sucirahmania, Subriah, Syayaniah Umar, Raimundus Chaliks

THE CORRELATION OF SELF-EFFICACY AND FAMILY SUPPORT ON FEMALE ADOLESCENT BEHAVIOR OF ANEMIA PREVENTION 205

Ni Ketut Alit Armini, Rona Meilynasari, Retnayu Pradanie, Smritikana Mani

EFFECT OF NATRIUM ON HYPERTENSION IN PREGNANCY: A SYSTEMATIC REVIEW 205

Novi Anggraeni, Aditiawarman, Gwenny Ichsan Prabowo, Selvia Nurul Qomari, Nurun Nikmah

ASSOCIATION BETWEEN MATERNAL CAREGIVING CAPABILITIES, INFANT AND YOUNG CHILD FEEDING PRACTICE, AND CHILD LINEAR GROWTH AMONG INDONESIAN CHILDREN (6-23 MONTHS OLD) 207

Eka Mishbahatul Mar'ah Has, Ferry Efendi, Sylvia Dwi Wahyuni, Fara Amalia Riadini, Rafaleony Berlian Putri Widodo

THE DEVELOPMENT OF READINESS FOR DISCHARGE IN PATIENTS AND FAMILIES MODEL BASED ON INDIVIDUAL AND FAMILY SELF-MANAGEMENT THEORY (IFSMT) ON FAMILIES' CAPACITY TO CARE FOR LOW BIRTH WEIGHT 208

Resti Utami, I Dewa Gede Ugrasena, Ernawati Ernawati, Yuni Sufyanti Arief, Wesiana Heris Santy

HEALTHY EATING INDEX AND NUTRITIONAL STATUS OF PREGNANT WOMEN IN SIDOREJO LOR COMMUNITY HEALTH CENTER 209

Sarah Melati Davidson, Rosiana Eva Rayanti, Loya Defrina Angelita Gultom

INFANTS' LANGUAGE DEVELOPMENT IS NOT CORRELATED WITH THE SPEECH STIMULATION PROVIDED BY CAREGIVER 210

Kristiani Desimina Tauho, Rifatolistia Tampubolon, Destiana Yane Porsisa

PARENTS' PARTICIPATION IN A TRAUMATIC CARE DURING CHILDREN HOSPITALIZATION: LITERATURE REVIEW 211

Dera Alfiyanti, Yuni Sufyanti Arief

DHIKR THERAPY ON ANXIETY IN PATIENTS WITH BREAST CANCER AT PKU MUHAMMADIYAH YOGYAKARTA HOSPITAL 212

Nunung Nurhaeti I, Diah Nur Anisa

GADGET USE INFLUENCES PHYSICAL ACTIVITY AND SOCIAL EMOTIONAL DEVELOPMENT OF SCHOOL-AGE CHILDREN 213

Praba Diyan Rachmawati I, Abu Bakar, Dewi Anggraeni, Yuni Sufyanti Arief

THE EFFECTIVENESS OF PEER INFORMATION TOWARD A CHANGE IN KNOWLEDGE AND ATTITUDE TOWARD CHILD MARRIAGE: SYSTEMATIC REVIEW 214

Sri Wahyuningsih, Musviro, Nurul Hayati

A SCOPING REVIEW BETWEEN NUTRITIONAL STATUS AND EARLY MENARCE OF ADOLESCENT WOMEN IN INDONESIA 215

Afiatun Rahmah, Mirawati

THE FREQUENCY OF VISITS PROVIDES A KNOWLEDGE EFFECT ON DANGERSIGNS OF PREGNANCY 216

Mahfuzhah Deswita Puteri, Darmayanti Wulandatika

IMPLEMENTATION OF HEALTH EDUCATION MEDIA USING SNAKE & LADDERS GAME OR AUDIOVISUAL TO IMPROVE KNOWLEDGE LEVEL OF STUNTING ON PRIMIGRAVIDA EXPECTANT MOTHER 217

M. Rifqi Rahmatullah, Esmé Anggeriyane, Muhammad Anwari

HUSBAND'S PARTICIPATION IN THE USE OF VASECTOMY CONTRACEPTION 218

Fika Aulia

EFFECTIVENESS OF LAVENDER AROMATHERAPY ON ANXIETY LEVEL IN 1ST STAGE OF MATERNITY MOTHER 219

Kharisma Kusumaningtyas, Ilmiyati Amalia, Siti Mar'atus Sholikhah, Titi Maharrani

SPECIFIC INTERVENTION ANALYSIS ON EFFORTS TO REDUCE STUNTING OF CHILDREN 220

Uswatun Khasanah, Esyuananik, Anis Nur Laili

FACTORS RELATED TO PREVENTION STUNTING IN TODDLERS AGED 24-59 MONTHS BASED ON THEORY OF HEALTH PROMOTION MODEL 221

Harmayetty, Yulia Mariskasari, Esti Yunitasari

THE BENEFITS OF LOW-IMPACT AEROBIC EXERCISE FOR ALLEVIATING MENOPAUSAL SYMPTOMS AND REDUCING BLOOD PRESSURE 222

Tiyas Kusumaningrum, Herdina Mariyanti, Novia Dwi Andriyanti, Nursalam, Yuni Sufyanti Arief

CROSS-CULTURAL ADAPTATION AND CONTENT VALIDATION OF THE MEDICAL OUTCOME STUDY SOCIAL SUPPORT SURVEY AMONG MOTHERS OF CHILDREN AGED 6-23 MONTHS 223

Hermalinda Herman, Ying-Ju Chang

DETERMINANT FACTORS OF ANEMIA DURING PREGNANCY AT BRONDONG COMMUNITY HEALTH CENTER 223

Farida Yuliani, Fitriana Edni Wari, Dian Irawati, Rif'atun Nurhasanah_Toc135166371

DETERMINANT FACTORS OF ANEMIA DURING PREGNANCY AT BRONDONG
COMMUNITY HEALTH CENTER..... 225

Agustin Dwi Syalfina, Elyana Mafticha, Dian Irawati, Sari Priyanti, Wiwit Sulistyawati, Nadhifa Maulidia

EFFECT OF SUPPORTIVE CARE NEEDS ON QUALITY OF LIFE IN WOMAN WITH
CANCER : A SYSTEMATIC REVIEW 226

Farida Yuliani, Fitria Edni Wari, Dian Irawati, Rif'atun Nurhasanah

TOPIC 7: Non-Communicable Diseases 227

THE EFFECT OF EARLY DETECTION OF STROKE EDUCATION THROUGH
AUDIOVISUAL FAST ANIMATION MEDIA ON KNOWLEDGE AND ATTITUDES IN
FAMILIES OF INDIVIDUAL WITH HYPERTENSION 228

Maitha Anthonette Wulan Keloay, Ferry Efendi, Makhfudli, Ni Luh Jayanthi

THE FEASIBILITY OF THE HEALTH PROMOTING PROGRAM MODEL BASED ON THE
WELLNESS TOURISM IN THE LOWER NORTHERN REGION, THAILAND..... 229

Sirikanok Klankhajhon, Somsak Thojampa, Kittisak Kumpeera, Chuthathip Mongkholkham, & Archawasri Khumhom

DEVELOPMENT OF FAMILY EMPOWERMENT FOR AGES 1-3 YEARS CHILDREN
STUNTING PREVENTION BASED ON HEALTH BELIEF MODEL (HBM)..... 230

Esti Yunitasari, Khalifatus Zuhriyah Alfianti, Ni Ketut Alit Armini

EFFECTIVENESS OF MHEALTH ON SELF-MANAGEMENT AND TREATMENT
MOTIVATION IN HYPERTENSIVE PATIENTS: A SYSTEMATIC REVIEW 231

Ach. Maskur, Ferry Efendi, Dianis Wulan Sari

ASSESSMENT OF THE EFFECTIVENESS AND PUBLIC PERCEPTIONS OF SMOKE-FREE
POLICIES: A MIXED METHODS STUDY 232

Radian Ilmaskal, Alkafi, Gusrianti

LIFESTYLE FACTORS ON PREVALENCE OF DIABETUS MELLITUS AT THE AUXILIARY
HEALTH CENTRE OF TAHULU VILLAGE, MERAKURAK DISTRICT, TUBAN REGENCY
..... 233

Lilia Faridatul Fauziah, Idcha Kusma Ristanti, Kusno Ferianto, Indriani Sahara Nura Zenina

FACTORS AFFECTING SELF-CARE IN HEART FAILURE PATIENTS: A CROSS SECTIONAL STUDY 234

Widaryati, Dwi Prihatiningsih

THE EFFECT OF 4 PILLAR OF HEALTH EDUCATION ON BLOOD SUGAR LEVELS IN TYPE 2 DIABETES MELLITUS PATIENTS 235

Irsanty Collein, Novianti Dg. Sitaba

SELF-CARE OF CHRONIC ILLNESS PREVENTS THE RISK OF DIABETIC FOOTULCERS IN PATIENTS WITH DIABETES: A CROSS-SECTIONAL STUDY 236

Anita Joeliantina, Dwi Adji Norontoko, Ach. Arfan Adinata, Adivtian Ragayasa

Nursing Care of a Patient with Nonconvulsive Status Epilepticus (NCSE) and Prolonged Mechanical Ventilation in ICU: A Case Report 237

Amelia Maharani Kartika, Gatra Satria, Juliana GEP Massie

DILEMMA OF IDENTIFICATION PATIENTS PALLIATIVE CARE NEEDS IN CRITICAL CARE UNIT DR. KARIADI CENTRAL HOSPITAL SEMARANG, INDONESIA: CASE STUDY 238

Nining Puji Astuti, Sriyono, Esti Yunita Sari, Ninuk Dian Kurniawati, Henry Saktiana, Mohammad Rosyid Ridho

FACTOR PREDICTOR FOR PREDIABETES AMONG INDONESIAN YOUNG ADULTS: CROSS SECTIONAL STUDY 239

Ika Nur Pratiwi, Arina Qonaah, Nursalam Nursalam, Zulfayandi Pawanis, Bih-O Lee

THE EFFECT OF HYPERTENSION AND OBESITY ON THE OCCURRENCE OF DIABETES MELLITUS AMONG INDONESIAN URBAN WORKERS 240

Mahmudah, Nailul Izza, Lely Indirawati, Astridya Paramita, Diah Indriani

THE RELATIONSHIP OF OBESITY, DIET AND THE INCIDENCES OF DIABETES MELLITUS IN STUDENTS AT SMK NEGERI 4 SEMARANG 241

Venti Agustina, Kristiawan Prasetyo Agung Nugroho, Titis Siwi Anggraini

RESEARCH TRENDS SLEEP DISORDERS IN BURN PATIENTS : FROM RESEARCH DESIGN TO DATA ANALYSIS 242

Teguh Dwi Saputro, Yulis Setiya Dewi, Andri Setiya Wahyudi

THE RISK OF PERIPHERAL NEUROPATHIES DIABETIC AMONG URBAN-RURAL DIABETIC TYPE 2 PATIENTS 243

Arina Qona'ah, Ika Nur Pratiwi, Laura Navika Yamani, Nursalam, Zulfayandi Pawanis, Eskarani Tri Pratiwi, Vimala Ramoo

THE RELATIONSHIP BETWEEN LIFESTYLE, DIETARY HABIT, AND PHYSICAL ACTIVITY WITH THE OCCURRENCE OF HYPERTENSION IN THE ELDERLY IN MELAYANG HAMLET, SAHAN VILLAGE, SELUAS DISTRICT, INDONESIA..... 244

Catherine Natawirandry, Bella Arista, Ferry Fredy Karwur,

RELATIONSHIP BETWEEN PHYSICAL ACTIVITY AND HYPERTENSION IN MEN AGED 18-25 IN GENDONGAN VILLAGE, SALATIGA..... 245

Angkit Kinasih, Venti Agustina, Damar Amundhia

THE ASSOCIATION OF SELF-CONTROL WITH INTERNET ADDICTION AMONG TEENAGER'S STUDENTS 246

Florensya Iin Wijaya Kusuma Puhun , Estriana Murni Setiawati

ANALYSIS OF FACTORS INFLUENCED TO EATING BEHAVIOR IN ADULT WITH OBESITY DURING COVID-19 PANDEMIC 247

Andri Setiya Wahyudi, Nabilla Farhana Febriyanti , Sylvia Dwi Wahyuni

MANUCU: PAIN EXPERIENCE AMONG GOUT ARTHRITIS SUFFERER..... 248

Arwyn Weynand Nusawakan, Ferry Fredy Karwur

THE RELATIONSHIP BETWEEN FAMILY SUPPORT AND FOOT CARE FOR DIABETES MELLITUS CLIENTS IN KARANGJAMBE VILLAGE BANGUNTAPANBANTUL..... 249

Agustina Rahmawati, Septiniya Indah Cahyani

FACTORS AFFECTING THE INCIDENCE OF STROKE-ASSOCIATED PNEUMONIA 250

Yurike Septianingrum, Ah. Yusuf, Ika Yuni Widyawati, Erika Martining Wardani, Imamatul Faizah

ANALYSIS OF FACTORS INFLUENCING COMPLIANCE MANAGEMENT OF TYPE 2 DIABETES MELLITUS IN GALIS PAMEKASAN DISTRICT 251

Andri Setiya Wahyudi, Lingga Curnia Dewi, Innani Mukaromah

SPOUSAL INVOLVEMENT FOR SELF-MANAGEMENT AND GLYCEMIC CONTROL AMONG DIABETES MELLITUS PATIENTS: A SYSTEMATIC REVIEW..... 252

Ika Nur Pratiwi, Nursalam Nursalam , Ika Yuni Widyawati , Vimala Ramoo

STRUCTURED HEALTH EDUCATION OF SELF-EFFICACY IMPROVED FUNCTIONAL STATUS AND IDWG IN CLIENTS WITH CHRONIC KIDNEY DISEASE..... 253

Hilmi Yumni, Hepta Nur Anugrahini

KNOWLEDGE AND QUALITY OF LIFE IN PATIENTS WITH CHRONIC KIDNEY DISEASE ON HEMODIALYSIS 254

Lono Wijayanti1, Jihan Safira RD, Ah Yusuf, Ika Yuni Widyawati , Difran Nobel Bistara

TOPIC 8: Nursing Disaster Management 257

THE EFFECTIVENESS OF VIDEO TRAINING ON THE ACCURACY OF BASIC LIFE SUPPORT OUTSIDE THE HOSPITAL 258

Insana Maria

THE PSYCHOLOGICAL IMPACT OF SURVIVORS OF THE EARTHQUAKE, TSUNAMI AND LIQUEFACTION: A QUALITATIVE STUDY 259

Nurarifah, Ismunandar, Helena Ester Pangaribuan, Gustini

PREPAREDNESS OF NURSES IN HANDLING DISASTER VICTIMS IN SULAWESI TENGAH..... 260

Alfrida Semuel Ra'bung, Rina Tampake, Sova Evie, Dg. Mangemba, Akbar Nur

INFLUENCE OF DISASTER-SAFE SCHOOL ON DISASTER MITIGATION PREPAREDNESS IN ELEMENTARY SCHOOL STUDENTS: A LITERATURE REVIEW 261

Patricia Mega Sri Yulianty Tae, Retno Indarwati, Ni Ketut Alit Armini

THE IMPACT OF COMMUNITY FACTORS, HEALTH FACILITIES, AND COMMUNITY SUPPORTS ON COMMUNITY STRESS IN VOLCANIC DISASTER-PRONE AREAS..... 262

Nikmatul Fadilah, Loetfia Dwi Rahariyani , Atik Badi'ah

AN OVERVIEW OF COMMUNITY KNOWLEDGE LEVELS ABOUT FLOOD DISASTER MITIGATION IN VILLAGE X..... 263

Berlian Widyanty Dwi Putri, Muthmainnah

DETERMINANTS OF ADOLESCENT BEHAVIOR RECOGNIZING FIRE DISASTER RISK IN URBAN AREAS BASED ON PROTECTION MOTIVATION THEORY 264

Yulis Setiya Dewi, Ninuk Dian Kurniawati, Arina Qona'ah, Rosita, Cindy Nanda Giatin, Laa Rayba Iftitah Hamada

TOPIC 9: Tropical Diseases 265

SPIRITUAL EMOTIONAL FREEDOM TECHNIQUE (SEFT) AND EMPATHIC LOVE THERAPY (ELT) ON DEPRESSION, MEDICATION ADHERENCE AND DIET IN MSM WITH HIV 266

Erika Martining Wardani, Riezky Faisal Nugroho, Eppy Setiyowati, Muhammad Khafid, Difran

Nobel Bistara

THE RISK FACTORS OF SCHISTOSOMIASIS IN NAPU HIGHLAND, POSO,CENTRAL SULAWESI..... 267

Christine Christine, Felysca Veronica Margareth Politon, Herlina Susanto Sunuh, Diana Vanda Daturara Doda

ENVIRONMENTAL RISK FACTOR ANALYSIS OF PULMONARY TUBERCULOSIS..... 268

Fadillah Ulva, Nailul Hikmi

TBC PATIENT PRESENTATION IN THE ED AND RELATED FACTORS FOR NURSING CARE FOR EDUCATION AND DISCHARGE PLANNING: SYSTEMATICREVIEW..... 269

Hakim Zulkarnain, Sriyono, Pilar Mosteiro

CHALLENGES AND INNOVATIONS TO INCREASE THE SUCCESS OF TB MANAGEMENT IN CHILDREN: A LITERATURE REVIEW..... 270

Era Dorihi Kale, Nursalam, Makhfudli

DECISION MAKING FOR PLWHA USING THE THEORY OF INNOVATIONDIFFUSION MODEL AT THE WPA TUREN FOUNDATION 271

Tri Nurhudi Sasono, Esti Yunitasari, Ninuk Dian Kurniawati, Nursalam

CADRE'S KNOWLEDGE, ATTITUDES AND MOTIVATION CORRELATE WITH THE FINDING OF PULMONARY TUBERCULOSIS SUSPECTS AT RURAL PUBLICHEALTH CENTER IN INDONESIA..... 272

Laily Hidayati, Sriyono, Hindun Milawati, Tintin Sukartini

EXPLORING THE HEALTH BELIEF MODEL THEORY ON SOCIETAL RESPONSESTO HIV/AIDS-RELATED STEREOTYPE AND PREJUDICE 273

Angga Wilandika, Ah. Yusuf, Ninuk Dian Kurniawati, Ami Kamila

QUALITY OF LIFE OF PLWHA (PEOPLE LIVING WITH HIV/AIDS):A LITERATURE REVIEW..... 274

Tiwi Sudyasih, Firdatin Janati Dwi Indriyani

SPIRITUAL EMOTIONAL FREEDOM TECHNIQUE (SEFT) AND MUSIC THERAPY ON THE QUALITY OF LIFE OF ADOLESCENTS WITH HIV 274

Erika Martining Wardani, Riezky Faisal Nugroho, Lono Wijayanti, Yurike Septianingrum, Nety Mawarda Hatmanti

TOPIC 10: Innovation in Research Practice..... 276

LENGTH OF TIME UNDERGOING HEMODIALYSIS AND QUICK OF BLOOD (QB) WITH THE QUALITY OF LIFE OF PATIENTS WITH CHRONIC KIDNEY DISEASE(CKD): CROSS SECTIONAL STUDY 277

Wiwit Dwi Nurbadriyah, Nursalam Nursalam, Ika Yuni Widyawati, Hardiyanto, Ardholes Wahyu Kurniawan, Devi Santi Fatmawati

DEVELOPMENT OF SURGICAL SAFETY CHECKLIST TIME OUT INSTRUMENT USING AUDIO RECORDED DELIVERY TO IMPROVE SURGICAL TEAM COMPLIANCE 278

Fedi Sudrajat

COMPARISON OF WOUND CARE PROTOCOLS IN DIABETIC FOOT ULCER INEFFORTS TO IMPROVE THE QUALITY OF HOSPITAL SERVICES: A SYSTEMATIC REVIEW 279

M. Zainnur Hafid, Mira Triharini, Ika Yuni Widyawati

ONLINE SOCIAL SUPPORT TO IMPROVE PHYSICAL ACTIVITY AMONG ADOLESCENTS: A REVIEW OF LITERATURE FROM THE RECENT DECADE 280

Gading Ekapuja Aurizki, Ann Wakefield

POTENTIAL ANALOG RICE BASED ON GADUNG TUBER (*DIOSCOREA HISPIDA*) FOR THE DIET OF PATIENTS WITH DIABETES MELLITUS 281

Dhanang Puspita, Sarlina Palimbong, Erika Immanuela

A HEART RATE CALCULATOR IN THE FORM OF ANDROID-BASED SOFTWARE CAN MAKE IT EASIER TO MONITOR THE INTENSITY OF PHYSICAL ACTIVITY 282

Kukuh Pambuka Putra

IMPACT OF WHATSAPP USAGE UPON THE ACADEMIC PERFORMANCE AMONG NURSING STUDENTS 283

Lizy Sonia Benjamin

NURSES EXPERIENCES OF DEVELOPING A COLLABORATIVE PEER-REVIEWED PUBLICATION: CROSSING DIVIDES 284

Wendy Abigail, Retnayu Pradanie, Yulia, Juliana Christina

PHYSICAL WORKLOAD AND WORK SHIFTS WITH BURNOUT INCIDENTS OF GEROKGAK HEALTH CENTER HEALTH WORKERS DURING 285

Sulis Diana, Dhonna Anggreni, Fitria Edni Wari

SHARING BASED PEER GROUP SUPPORT ON DIETARY COMPLIANCE OF CKD PATIENTS UNDERGOING HEMODIALYSIS 286

Anndy Prastya, Fitria Wahyu Aryanti, Atikah Fatmawati

EFFECTIVENESS OF EDUCATION MODEL USING BOOKLET AND VIDEO IN THE EFFORTS OF IMPROVING CAPACITY OF HEALTH CADRES REGARDING SCRINNING OF RISK FACTORS OF PREGNANT WOMEN IN THE WORKING AREAS OF PUSKESMAS WANI DISTRICT, TANANTOVEA DISTRICT, DISTRICT OF DONGGALA REGENCY	287
D-III Nursing Study Program, Health Polytechnique Palu, Indonesia	287
<i>Rina Tampake, Yulianus Sudarman</i>	
POSTER PRESENTATION.....	290
PREVENTION OF INTRADIALYTIC MUSCLE CRAMP IN PATIENTS TAKING HEMODIALYSIS WITH INTRADIALYTIC STRETCHING EXERCISE : PILOT STUDY	291
<i>an Adi Candra, Bagus Ananta Tanujiarso</i>	
COMPARISON OF PETCO ₂ AND PACO ₂ VALUES IN CRITICAL PATIENTS WITH MECHANICAL VENTILATION: A LITERATURE REVIEW	292
<i>Tri Gunarti, Tintin Sukartini, Syafaatun Mirzanah</i>	
CARDIAC SURGERY ASSOCIATED ACUTE KIDNEY INJURY (CSA-AKI) SEVERITY ASSESSMENT BASED ON KDIGO CRITERIA: LITERATURE REVIEW	293
<i>Fitria Habibah N.Y.E.P, Ika Yuni Widyawati, Syafaatun Mirzanah</i>	
INCREASING EXTREMITY TEMPERATURE IN CRITICAL PATIENTS WITH INEFFECTIVE PERIPHERAL PERFUSION	294
<i>Abit Mawan Dayoko, Erna Dwi Wahyuni, Sriyono</i>	
ASSESSMENT AND MANAGEMENT OF DEHYDRATION IN CHILDREN BASED ON DIGITAL: A SYSTEMATIC REVIEW	295
<i>Lidwina Dewiyanti Wea</i>	
EFFECTIVENESS OF THE HANDOVER CHEKLIST AS A GUIDE FOR INTRAOPERATIVE HANDOVER : A LITERATURE REVIEW	296
<i>Esti Eva Kurnia, Nursalam Nursalam, Junait Junait</i>	
EFFECTIVE MATERIALS FOR STETHOSCOPE DISINFECTANTS IN THE ER: A SYSTEMATIC REVIEW.....	297
<i>Eka Novitayanti</i>	
FACTORS BACKGROUND THE USE OF COMPLEMENTARY THERAPIES IN PEOPLE LIVING WITH HIV (PLHIV)	298
<i>Dadang Purnama, Milda Khaerunnisa, Kusman Ibrahim</i>	

EFFECTS OF AUDIOVISUAL DISTRACTION ON PAIN, ANXIETY, ANDWILLINGNESS IN PATIENTS UNDERGOING COLONOSCOPY: 299

Li-Ning Wang, Wen-Bi Wu , Hai-Yan Song, Wen-Jing She, Jia-Jie Zhang, Yu-Xin Du, Na-Na Chen, Min Zhang, Shi Zhang, Qian-Qian Cheng, Peng-Xia Fan

VACCINE HESITANCY AND LEVEL OF KNOWLEDGE ON COVID-19 VACCINESAMONG RESIDENTS OF MAGUGPO NORTH TAGUM..... 300

Constable Charmae Shean D, Avenir Ayesza, Oguio Jannele Anne B, Jayectin Saskia, Agravante Roberto

INNOVATION SK-PELVIC BINDER..... 301

Nitithorn Siribunlong, Orrapitch Potjanatanti, Firdaw Dueramaehayee, Suphakit Chehlang, Raihan Hayihama, Hasanah Pairoh, Jitlada Piriyasart

INNOVATION THE CATHETER FIXED & FIT 302

Nurdiana Chesoh, Nurfatina Salaeh, Safarina Dahari, Haseeyoh Wamae, Hasanah Pairoh, Jitlada Piriyasart

INNOVATION C-LINE HOLDER..... 303

Pannalin Sansanoa, Prawrung Kongtung, Hasanah Pairoh, Jitlada Piriyasart

ANXIETY LEVEL AMONG COMMUNITY HEALTH NURSES DURING THE COVID-19 PANDEMIC 304

Desy Indra Yani , Sri Anjani Fartika and Irman Soemantri

HIV/AIDS PREVENTION BEHAVIOR AMONG ADOLESCENTS; SEXUALABSTINENCE 305

Witdiawati, Nisa Humaerotul Jannah, Umar Sumarna, Setiawan, Udin Rosidin, Dadang Purnama

DEVELOPMENT OF HOLISTIC NURSING BASED TRANSCULTURAL NURSINGMODEL IN DIABETES TYPE 2..... 306

Ni Wayan Suniyadewi, Yuni Sufyanti Arief, Ninuk Dian Kurniawati, Ni Luh Putu Inca Buntari Agustini, I Dewa Ayu Rismayanti, Ni Wayan Trisnadewi, Iswatun

THE DEVELOPMENT OF CLINICAL EDUCATION MODEL BASED ON COMMUNITY OF PRACTICE FOR THE PATIENT SAFETY COMPETENCYACHIEVEMENT IN NURSING STUDENT 307

Dyah Wiji Puspita Sari1, Yuni Sufyanti Arief, Ahsan, Muh. Abdurrouf

EFFORTS TO IMPROVE THE PERFORMANCE OF COMMUNITY HEALTH CENTERS (PUSKESMAS) THROUGH THE IMPLEMENTATION OF LEADERSHIP AND HUMAN RESOURCE MANAGEMENT 308

Achmad Masfi, Tintin Sukartini, Mira Triharini

INCISED PATIENT SATISFACTION THROUGH ORGANIZATIONAL CONSOLIDATION AND SHARIA BASED NURSING CARE IN SHARIA HOSPITAL 309

Iwan Ardian I, Nursalam, Ahsan, Nutrisia Nu'im Haiya, Intan Rismatul Azizah

STRESS AS INFLUENCE BY COPING STRATEGIES OF COVID-19 SURVIVORS OF TAGUM DOCTORS HOSPITAL 310

Bano Anna Mae F, Batiandila Rhona L, Cornillos Honeylie H, Guerrero Shiela Joyce A

FUNCTIONAL STATUS OF ADOLESCENT WITH MENTAL DISORDER: A DESCRIPTIVE STUDY 311

Ah Yusuf, Rr Dian Tristiana, Ivana Sajogo, Yuli Anggraini, Khoirun Niswatul Ulfa, R Endro Sulistyono

LITERATURE STUDY OF FACTORS PREDISPOSING TO SCHIZOPHRENIA IN SOUTHEAST ASIA 312

Titin Sutini, Nuroktavia Hidayati, Elda Regita Dewi, Melin Alawiyah, Zulfa Faridah

INTERVENTIONS FOR PRISONERS WITH POST-TRAUMATIC STRESS DISORDER: A LITERATURE REVIEW 313

Nur Oktavia Hidayati, Naela Nur Aprilida, Verlynda Amalia Puteri, Sabrina Muthi'ah, Siti Dahlia, Khansa Aisah Putri, Titin Sutini

IS PSYCHORELIGIOUS THERAPY EFFECTIVE IN CONTROLLING THE EMOTIONS OF CLIENTS WITH VIOLENT BEHAVIOR: 314

Imas Rafiyah, Efri Widianti

NURSING INTERVENTIONS TO IMPROVE HOPE IN SCHIZOPHRENIA SURVIVORS : A SCOPING REVIEW 315

Efri Widianti, Suryani, Imas Rafiyah

THE IMPACT OF SPIRITUAL NEEDS ON THE QUALITY OF LIFE OF HEMODIALYSIS PATIENTS: A QUALITATIVE STUDY 316

Rozaine Osman, Norhanaza Mohd Yunos, Nooreena Yusop, Kamsimah Haslinda Kamaruzaman

ANALYSIS OF CANCER RISK FACTORS BASED ON HISTORY OF CONTRACEPTIVE USE AND DURATION OF BREASTFEEDING 317

Pipit Feriani

FACTORS RELATED TO INTENTION FOR EARLY DETECTION AND PREVENTION OF STUNTING AMONG WOMEN AGED 16-25 IN WEST JAVA, 318

Neti Juniarti, Arlette Suzy Puspa Pertiwi, Ratna Indriyanti, Laili Rahayuwati, Netty Suryanti

THE EFFECTIVENESS OF BALL EXERCISE IN REDUCING LABOR PAIN :A SCOPING REVIEW 319

Sukmawati, Furkon Nurhakim, Lilis Mamuroh

LIVED EXPERIENCES OF BREASTFEEDING AMONG INCARCERATED WOMEN IN LOWER NORTHERN AREA IN THAILAND 320

Pratuma Rithpho, Wilaiporn Rojjanasrirat, Sirikanok Klankhajhon

THE DEVELOPMENT OF APPLICATION FOR LEARNING TO USE COMBINED HORMONAL CONTRACEPTIVE PILLS 321

Kornkarn Pansuwan, RN, MNS, Sirikanok Klankhajhon, RN, PhD

THE RESILIENCE OF HIGH-RISK PREGNANT WOMEN BASED ON PERSONALITY TRAITS AND FAMILY SUPPORT 322

Ni Ketut Alit Armini, Ayu Devi Prestiyanti, Arina Qo'naah

METHODS AND OUTCOMES OF PALLIATIVE CARE FOR GERIATRIC PATIENTS:A SCOPING REVIEW 323

Hartiah Haroen, Hasniatisari Haroen, Citra Windani Mambang Sari, Sheizi Prista Sari

EFFECTIVENESS OF DISCHARGE PLANNING 324

Anna Jumatul Laely, Nursalam Nursalam, Ferry Efendi

EFFECTIVENESS OF STROKE ATTACK RISK ASSESSMENT USING APPLICATION FACE DROP RECOGNITION 325

Eko Prasetya Widiyanto, Rondhianto, Arista Maisyaroh, Syaifuddin Kurnianto, Risna Yekti Mumpuni

WELCOME MESSAGE FROM THE CONFERENCE CHAIRMAN

Assalamu'alaikum Warahmatullahi Wabarakatuh

Good morning excellencies, distinguished participants, esteemed colleagues, ladies and gentlemen, The Honourable Rector of Universitas Airlangga, the Honourable Dean Faculty of Nursing, Universitas Airlangga, The Honourable Head of Co-Host Institutions, distinguished speakers, all participants and the organizing committees.

It is my great honour and privilege to welcome you all to the 14th International Nursing Conference. As the chairman of this conference, I am delighted to see such a diverse and talented group of nurses from all corners of the world gathered here today.

Our theme for this year's conference is **“Transforming the future health care through research and innovation**, this theme reflects our commitment of the advancement of the nursing profession and the important role that nurses play in improving the future health care.

This conference brings together nurses and other healthcare professionals from various specialties and backgrounds to share knowledge and exchange ideas. With the many challenges facing the healthcare industry today, it is important to be agile and to come together to reflect on our practices, learn about cutting-edge research, and explore new innovations to improve health care mainly through nursing education, research, and practice.

As we embark on the next two days of this conference, I encourage you all to approach each session with an open mind and willingness to learn, to be inspired and gain new insights into the important work presented in this conference. After rigorous review, 316 abstracts were accepted for both oral and poster presentation. Around 326 people, including academicians, researchers, and practitioners from five continents (Africa, Asia, Australia, America, and Europe), participated in this two-day virtual nursing conference.

In addition, I urge you to take advantage of the networking opportunities available to you during this conference. The connections you make here could be invaluable as you continue to grow and develop in your career.

I would like to extend my heartfelt thanks to speakers, co-host institutions, sponsors and committee for their hard work and dedication to making this conference a success. Without the support of these individuals and organizations, we would not be able to organize this conference. Firstly, I would like to take this opportunity to express our gratitude to all speakers and experts from our international and national cooperation and partners. We are also proud to announce that the 14th International Virtual Nursing Conference is being conducted along with the collaboration among nine Nursing Schools in Indonesia and our international partners. They are **Australian College of Nursing (ACN) Australia, School of Nursing Yale University United States, Faculty of Nursing Hacettepe University Turkey, Asia Pacific Alliance for Nursing Education, Medical College National Cheng Kung University Taiwan, Hiroshima University Japan, Metropolia University of Applied Sciences Helsinki Finlandia, Faculty of Nursing Cairo University, Faculty of Nursing Taipei Medical University Taiwan, Universitas Kristen Satya Wacana Indonesia, STIKES Alifah Padang, Universitas 'Aisyiyah Yogyakarta, STIKES Ngudia Husada Madura, Universitas Muhammadiyah Banjarmasin, Universitas Islam Sultan Agung (UNISSULA), Politeknik Kesehatan Kemenkes Surabaya, STIKES Majapahit, Universitas Muhammadiyah Gombong, Poltekkes Kemenkes Palu, and STIKES Telogorejo Semarang.** Last but not least, This conference is sponsored by **PT. Global Jaya Medika dan PT. Jaya Kelana.**

Finally, I wish you all a productive and enjoyable conference. I hope that the conference will be filled with inspiration, education, and meaningful connections that will carry you forward in your important work as healthcare professionals.

Thank you and have a great experience!

Wassalamu'alaikum Warrahmatullahi Wabarakatuh

Dr. Ninuk Dian Kurniawati, S.Kep., Ns., MANP.
Chairman



OPENING REMARK FROM THE DEAN OF THE FACULTY OF NURSING

Assalamu'alaikum Warahmatullahi Wabarakatuh

The Honorable Rector of Universitas Airlangga, The Honorable Head of Co-Host Institutions, The Honorable Chief of the Indonesian National Nurses Association (INNA), The Honorable Chief of Association of Indonesian Nurse Education Center (AINEC), Distinguished Speakers, and All Participants.

First of all, I would like to praise and thank Allah SWT for the blessing and for giving us the grace to be here in a good health and can hold this conference together.

Secondly, it is a great privilege and honor for us to welcome all of you. Thanks for your participation and support for the 14th International Nursing Conference, **“Tranforming the future health care through research and innovation”**. The INC topics presented in this conference cover Innovation in nursing education, Innovation in community nursing, Innovation in clinical nursing, Innovation in nursing management and leadership, Nursing innovation for COVID-19 challenge, Innovation in research practice, Nursing disaster management, Non communicable diseases, Mental health and wellbeing, Mother and child health, Climate change and health related issues, Health law and policies, Agenda 2030: Sustainable development goals and Tropical disease.

We feel honored to host prominent nursing academics and researchers to present their ideas here at this conference. Also, we believe that this 14th international nursing conference will bring a lot of blessings to us.

The industrial revolution 4.0 and society 5.0 have had an impact on several health problems that require serious attention from various fields, especially the health sector. The health system is required to continue to innovate in order to continue to be able to provide health services amidst the rapid development of technology. Nursing science continues to experience development and make a meaningful contribution to the health care system. The nursing profession is required to continue to innovate in developing knowledge so that it is able to continuously improve the quality of health and nursing services. In an effort to achieve this, nurses must carry out research and innovation that can support nursing development and have competitiveness with other scientific sectors. Nurses must transform themselves to be able to meet standards and quality.

The International Nursing Conference is needed to answer the need for media to contribute innovative works to be meaningful for the world of health. INC is also a forum for researchers, practitioners and students both domestically and abroad to share findings and various new knowledge in the field of nursing and health. Therefore, the Faculty of Nursing, Airlangga University, will hold the 14th international seminar with the theme **“Transforming the future health care through research and innovation”**. The theme of this conference is relevant to answer the need for innovation in the world of health in the future.

Faculty of Nursing Universitas Airlangga got accreditation A (Excellent) for the Bachelor's and Master's Degree. We also already got accreditation from two prestigious international accreditations.

the ASEAN University Network (AUN) and Accreditation Agency for Study Programmes in Engineering, Informatics, Natural Sciences, and Mathematics (ASIIN). Most of our lecturers regularly published their articles in Scopus-indexed journals, and we have many lecturers with doctoral qualifications. One of our journals, *Jurnal Ners*, has been indexed by SCOPUS.

In supporting the vision of Universitas Airlangga to become a world-class university and enter the top World University Ranking, the Faculty of Nursing is determined to improve its performance in many aspects, including academic reputation, employer reputation, publication, and faculty standard ratio, as well as international students and exchange. International Nursing Conference is one of the few strategies that have been implemented by the Faculty of Nursing to improve our performance in scientific publication and strengthen national and international collaborations.

Finally, on behalf of the Faculty of Nursing, we would like to thank all speakers, participants, and sponsors that helped the success of this event. We hope this conference having good contribution in increasing the quality of research and nursing scholarships. Thanks to the organizing and scientific committee of the INC 2023, who have worked very hard to organize the conference. We thank our participants to present their research, to share extensively and exchange of ideas thoughts and discussions so that this conference facilitates the formation of networks among participants. Please enjoy the international conference. I hope, we all have a wonderful time at this virtual conference. And let's hope the next year, we can meet in person in Surabaya, and enjoy the city of heroes. Thank you.

Wassalamualaikum Warahmatullahi Wabarakatuh

Prof. Dr. Ah. Yusuf., S.Kp. M.Kes.
Dean, Faculty of Nursing Universitas Airlangga

ORAL PRESENTATION

TOPIC 1:

Innovation in Clinical Nursing

**IMPROVING DOCUMENTATION OF PRESENTING PROBLEMS IN THE
EMERGENCY DEPARTMENT USING A DOMAIN-SPECIFIC ONTOLOGY BASE ON
3S**

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ABSTRACT

Introduction: 3S-based nursing documentation (SDKI, SLKI, and SLKI) has already been developed in Indonesia, but there is still little research related to the implementation of 3S documentation in emergency care. The use of specific documentation languages based on major and minor signs and symptoms facilitates diagnosis in emergency patients. **Methods:** The study aims to develop a 3S-based documentation format for the emergency room in the hospital. The research method used was the qualitative method of focus group discussion and study of medical records for the years 2020–2023. The survey was carried out in 3 hospitals in the rural district, involving 40 IGD nurses selected on the basis of inclusion criteria, i.e., they have been working at IGD for more than 5 years, have received 3S-based socialization and documentary training, and are ready to participate. **Results:** The results of the study revealed the twelve highest nursing problems emergency room corresponding to SDKI, there are inefficient breathing pattern, non-effective peripheral perfusion, decreased cardiac output, hypovolemia, hypervolemia, hyperthermia, acute pain, shock risk, risk of effective myocardial perfusion, risk of bleeding, and risk ineffective cerebral perfusion. **Conclusions:** The development of documentation at IGD uses a specialized ontological language in the application of artificial intelligence to facilitate decision-making from the results of the assessment to the intervention, external implementation, and evaluation of nursing diagnosis at IGD.

Keywords: documentation, emergency room, nursing care

COMMUNITY HEALTH NURSING INTERVENTIONS PROMOTING FAMILY ADAPTATION TO COMMUNICABLE DISEASE DIAGNOSIS: A SCOPING REVIEW

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ABSTRACT

Intoduction: The family had important role in caring for their family member with communicable disease. **Objective:** This review aimed to identify the adaptation process of the family to communicable disease diagnosis and map the community health nursing interventions that promote family adaptation to communicable disease diagnosis. **Method:** This study was a scoping review by Arksey and O'Malley on the three databases: SCOPUS, Science Direct, PUBMED and Grey literature from 2015 up to April 2023. Publications were included if they examined interventions promoting adaptation towards family in context communicable diseases diagnosis. The JBI Manual for Evidence Synthesis published guidelines were followed. **Results:** A total of 21 articles were analyzed. The results of the analysis were organized by themes: the patient's adaptation to the diagnosis, the family adaptation to the diagnosis and strategies promoting adaptation to disease treatment. The interventions aimed at patients are focused on strengthening coping strategies and caring ability of the family. **Conclusion:** The mapped community health nursing interventions that promote adaptation to communicable disease diagnosis intend to patients' disclosure, enhancing coping strategies, engage to social support, enhancing treatment adherence, increasing the ability to care and to receive information and to participate in care and decisions making.

Keyword: Communicable Disease; Community Nursing; Family Adaptation; Health Promotion

THE EFFECTIVENESS OF PEER INFORMATION TOWARD A CHANGE IN KNOWLEDGE AND ATTITUDE TOWARD CHILD MARRIAGE: SYSTEMATIC REVIEW

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ABSTRACT

Introduction: Child marriage is a serious global problem because it can have negative consequences for children, families, and communities. Peer information has been regarded as one of the strategies for reducing a child's marriage, but few studies still evaluate its effectiveness. **Objective:** Hence, the study is done to evaluate the effectiveness of peer information in changing the knowledge and attitude toward child marriage. **Methods:** The study was done by conducting a systematic search of academic databases and a library list of relevant articles. Only 5 articles meet the criteria for inclusion used in analysis. The studies are carried out in 4 countries and peer information is presented through group meetings or discussion forums. **Result:** Research shows that peer information can increase knowledge and attitude toward child marriage. The study in Bangladesh indicates that those informed by peers have increased in knowledge and attitude toward child marriage. Other studies also show a significant increase in knowledge and attitude toward child marriage after obtaining information from peers. **Conclusion:** In conclusion, the results of this study suggest that peer information is effective in transforming knowledge and attitudes toward child marriage and can be an effective alternative to reducing child marriage. However, available studies are still limited and further research will need to be done to evaluate the effectiveness of peer information in the long run. It will require collaboration between countries to implement effective interventions that reduce child marriages.

Keyword: peer information, child marriage, change in knowledge, attitude

**EFFECTIVENESS OF STROKE ATTACK RISK ASSESSMENT USING
APPLICATION FACE DROP RECOGNITION**

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ABSTRACT

Introduction: The treating of a stroke has a limited period; if it is not discovered immediately, it can lead to complications and even death. **Objective:** This study used innovations in technology to detect the danger of stroke early, allowing it to be treated rapidly and boost the probability of recovery. Based on this goal, a Stroke Attack Risk Assessment Using the Application Face Drop Recognition was created. The risk assessment related to the occurrence of stroke is evaluated by the face image utilizing analytical and face detection technology. **Method:** This is a descriptive-analytic study. The research population of 60 farmers was selected. Respondents in this study came from agricultural communities in rural area distant from hospital referral facilities, were at risk of stroke, or had a history of stroke. To assess the accuracy of face drop detection apps utilizing criteria such as accuracy, precision, recall, and F1-score. **Result:** The testing was limited to 95% accuracy. This suggests that the capacity to predict stroke risk for persons who have had a stroke is very good. The application's specificity value was 100%, which means that the measuring capacity of the application produces a non-stroke result of 83%. The results of this technology can suggest to immediately make an emergency call to the stroke team, provide the patient's location and personal information, allowing patients to get treatment as quickly as possible. **Conclusion:** An emergency system, which uses the FaceDrop Recognition App, can assist in rapid stroke risk assessment. The system we propose optimizes management.

Keywords: acute, agriculture, face drop, stroke