

PROGRAM BOOK



ICAMS 2020



The 1st International Conference on Agromedicine and Medical Sciences (ICAMS) 2020

In the 18th Dies Natalis of Faculty of Medicine University of Lampung

Supported by:



Media Partner:



PROGRAM BOOK



THE 1ST INTERNATIONAL CONFERENCE ON AGROMEDICINE AND MEDICAL SCIENCES (ICAMS) 2020

"Agromedicine: in the Spot Light of Advancement of Medical Science and Technology"

Bandar Lampung, Indonesia

October 22nd-23rd, 2020

Hosted by:

**Faculty of Medicine,
University of Lampung**

Supported by:

ISBB

ISBMB

Goodwood Publishing



Table of Contents

The Dean of Faculty of Medicine, University of Lampung.....	i
Conference Schedule	ii
Parallel Session.....	iv
ABSTRACT.....	xiv
POLYMERASE CHAIN REACTION AS DIAGNOSTIC TOOLS FOR SCABIES.....	1
EFFECTIVENESS OF KNEE BRACES IN THE TREATMENT OF KNEE OSTEOARTHRITIS : AN EVIDENCE BASED CASE REPORT	2
<i>IN VITRO</i> ANTIBACTERIAL ACTIVITY OF SOME OF DIBUTYLTIN(IV) CHLOROBENZOATE DERIVATIVES AGAINST.....	3
OPPORTUNITIES AND CHALLENGES OF TELEMEDICINE IMPLEMENTATION IN THE COVID-19 PANDEMIC.....	4
THE EVALUATION OF THE ELECTRONIC PRESCRIBING SYSTEM AT BANDAR LAMPUNG HOSPITAL	5
PLASMID DNA PROFILE CONTAINING VANCOMYCIN RESISTANT GENES IN <i>STAPHYLOCOCCUS AUREUS</i> FROM DIABETICUM ULCER ISOLATE	6
DIFFERENCE BETWEEN EPITHELIAL AND COLLAGEN IN SECOND DEGREE BURNS BETWEEN HUMAN CORD MESENCHYMAL STEM CELL EXTRACT AND SILVER SULFADIAZINE IN THE MALE WHITE RAT (<i>RATTUS NORVEGICUS</i>)	7
EFFECT OF GIVING ETHANOL JENGKOL SEEDS (<i>PITHECELLOBIUM LOBATUM</i> BENTH.) ON THE IMPROVEMENT OF UREUM AND CREATININE LEVELS OF WHITE RAT.....	8
STAGE 5 CHRONIC RENAL FAILURE DISEASE BASED ON DETERMINANTS OF AGE, GENDER, AND DIAGNOSIS OF ETIOLOGY IN INDONESIA IN 2018.....	9
SUBACUTE TOXICITY TEST OF <i>RHIZOPHORA APICULATA</i> BARK EXTRACT ON LIVER AND PANCREAS HISTOPATHOLOGY OF RATS	10
COMPARISON OF BEHAVIOR IN TABLET COMPUTER USING ON CELL PHONE ELBOW INCIDENT IN FACULTY OF MEDICINE STUDENT OF LAMPUNG UNIVERSITY.....	11
THE EFFECT OF CHITOSAN AND ALOE VERA EXTRACT COMBINATION AS BONE GRAFT ON RAT FEMUR FRACTURE	12
THE EFFECT OF GAYO ARABICA COFFEE LEAF EXTRACT ON BLOOD SUGAR LEVELS IN RAT WITH TYPE-2 DIABETES MELLITUS.....	13
COMPARISON OF PHENOL, FLAVONOID AND ANTIOXIDANT LEVELS BETWEEN YOUNG AND OLD GAYO ARABICA COFFEE LEAF EXTRACTS AND THE RELATION WITH TYPE -2 DIABETES MELLITUS.....	14
ANTIRETROVIRAL THERAPY AND LABORATORY PROFILE OF CHILDREN WITH HIV-AIDS AT ABDUL MOELOEK GENERAL HOSPITAL	15
CORRELATION BETWEEN A RT-PCR OF NASOPHARYNX SWAB, A NEUTROPHIL LYMPHOCYTE RATIO AND AN ABSOLUTE LYMPHOCYTE COUNT IN A SUSPECTED COVID -19 PATIENT	16



DETERMINANTS OF BEHAVIOR IN ANTIBIOTIC MEDICINE IN THE COMMUNITY OF UMBUL NATAR VILLAGE, JATIMULYO VILLAGE, JATI AGUNG DISTRICT, SOUTH OF LAMPUNG	17
CORRELATION OF NORMAL GESTATIONAL AGE WITH FIBRIN MONOMER LEVELS.....	18
SOCIAL DETERMINANTS OF BODY IMAGE IN YOUNG WOMEN IN METRO BARAT : A QUALITATIVE STUDY	19
THE EFFECT OF PURPLE NUTSEdge (CYPERUS ROTUNDUS L.) EXTRACT FROM THE ECOLOGICAL ZONE IN LAMPUNG PROVINCE TO EXPRESSION OF BAX PROTEIN ON THE HELA CERVICAL CANCER CELL LINE	20
CURRENT PERSPECTIVES AND PREVENTION STRATEGIES OF HYPERTENSION AMONG ADOLESCENTS AND ADULTS.....	21
CLINICAL AND LABORATORY PROFILE OF DENGUE FEVER PATIENTS IN A HOSPITAL SERVING RURAL AGROINDUSTRIAL COMMUNITIES	22
SURVEY OF THE SCHOOL CANTEEN, OPPORTUNITIES FOR ANEMIA REDUCTION TO YOUNG WOMEN SCHOOL –BASED IN THE CITY OF BANDAR LAMPUNG.....	23
APOPTOSIS INDUCING ACTIVITY OF BARK EXTRACT OF <i>SPATHODEA CAMPANULATA</i> ON HUMAN LEUKEMIA CELL LINES U937, K562 & HL60 CELL LINES VIA CASPASE CASCADE	24
CURRENT UPDATE ON CONGENITAL HEART DISEASES IN PREGNANCY	25
COMPARISON OF PHENOL, FLAVONOID, AND ANTIOXIDANT LEVELS BETWEEN YOUNG AND OLD GAYO ARABICA COFFEE LEAF EXTRACTS AND THE RELATION WITH TYPE -2 DIABETES MELLITUS	26
THE EFFECT OF BREWED COFFEE ARABICA GAYO (<i>COFFEA ARABICA</i>) LEAVES ON DIFFERENCES OF BLOOD SUGAR LEVELS IN TYPE 2 DIABETES MELLITUS PATIENTS.....	27
CORRELATION BETWEEN NEUTROPHIL LYMPHOCYTE RATIO AND CYCLING THRESHOLD VALUE OF RT PCR IN PATIENTS CONFIRMED COVID-19 IN LAMPUNG.....	28
CREAM FORMULATION OF EXTRACT OF BERENUK LEAVES (<i>CRESCENTIA CUJETE</i>) AS AN ANTIMICROBIAL AGAINST <i>STAPHYLOCOCCUS AUREUS</i>	29
THE EFFECT OF AMBON BANANA (<i>MUSA ACUMINATA</i> COLLA) ON RESTING METABOLIC RATE IN YOUNG ADULTS	30
THE EFFECT OF ALKALINE WATER ON GLUCOSE LEVELS OF WHITE RATS SPRAGUE DAWLEY LINE GIVEN DIET HIGH SUGAR	31
FOOD SECURITY AND HOUSEHOLD EXPENDITURE IMPACT ON NUTRITIONAL STATUS ON PREGNANCY: A CROSS SECTIONAL STUDY IN RURAL AREA.....	32
MATERNAL HEALTH STUDY IN PROVINCE LAMPUNG BASED ON PREDICTION MODEL <i>STRUCTURAL EQUATION MODELING-PARTIAL LEAST SQUARE</i>	33
THE RELATIONS BETWEEN MONDAY-THURSDAY FASTING TOWARD SPIRITUAL INTELLIGENCE (SI): A PRELIMINARY REPORT	34
MULTIPAROUS POST CESAREAN SECTION ON INDICATION PLACENTA PREVIA AND TRANSVERSE LIE WITH PLACENTA LEFT IN SITU	35



REVIEW: POTENTIAL OF TUBER AND LEAVES EXTRACT OF <i>Manihot esculenta</i> AS A BURNER HEALING AGENCY	36
PENGARUH PEMBERIAN EKSTRAK ETANOL 96% BIJI MAHONI (<i>SWIETENIA MAHAGONI</i> L.) DALAM MENURUNKAN KADAR GLUKOSA DARAH PADA MENCIT (<i>MUS MUSCULUS</i>) YANG DIINDUKSI ALOKSAN	37
ASSESSMENT OF <i>hOGG1</i> GENETIC POLYMORPHISM (rs1052133) AND DNA DAMAGE IN RADIATION-EXPOSED WORKERS.....	38
MORBIDITY ANALYSIS BASED ON AREA	39
RELATIONSHIP OF CD44 PROTEIN EXPRESSION WITH CLINICOPATHOLOGICAL ASPECT OF BREAST CANCER PATIENT IN BALI.....	40
ANALYSIS OF THE TOXICITY OF BOVINE SERUM ALBUMIN NANOPARTICLE BASED CANCER DRUGS.....	41
PRELIMINARY STUDY : THE POTENCY OF VEGETABLE COOKING OIL AS ALTERNATIVE CLEARING AGENT FOR HISTOLOGICAL PREPARATION.....	42
SOURSOP LEAF ENDOPHYTIC FUNGI (PHOMOPSIS SP.): ACUTE TOXICITY TEST FROM ETHYL ACETATE EXTRACT OF IN RATS	43
COMPARISON OF ACCURACY OF THE USE OF CARCINOMA EMBRYONIC ANTIGEN (CEA) AND LACTATE DEHYDROGENASE LEVEL TO PREDICT COLORECTAL CARCINOMA RECURRENCE IN ABDUL MOELOEK HOSPITAL BANDAR LAMPUNG.....	44
CASE REPORT: CHRONIC THOPACEUS GOUT WITH CHRONIC KIDNEY DISEASEFIRST	45
ANTIOXIDANT POTENTIAL OF KERSEN LEAVES STEEPING (<i>MUNTINGIA CALABURA</i> L.) AGAINST ENDOGENOUS ENZYME SUPEROXIDE DISMUTASE (SOD) LEVELS IN DIABETES MELLITUS RATS.....	46
FIBRINOLYTIC THERAPY FOR ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION DURING THE COVID-19 PANDEMIC: A SINGLE-CENTER EXPERIENCE.....	47
KUSEHAT: IMMUNOMODULATORY COOKIES	48
THE EFFECT OF SOCIO-ECONOMIC POSITION ON CHILDHOOD TUBERCULOSIS	49
THE INFLUENCING SOCIAL CAPITAL TO STRENGTHENING FAMILY ACTION PLAN AS PREPAREDNESS IN FACING PANDEMIC COVID-19 IN MALANG CITY.....	50
EVALUATION OF SILODOSIN VERSUS TAMSULOSIN IN BENIGN PROSTATIC HYPERPLASIA TREATMENT : A CROSS SECTIONAL STUDY	51
SENGGANI LEAF (<i>MELASTOMA MALABATHRICUM</i> L) POTENTIAL IN REGENERATION OF PANCREATIC BETA CELLS IN PEOPLE WITH DIABETES MELITUS	52
GREEN TEA BENEFITS FOR REPAIRING HIPPOCAMPUS.....	53
HOMOLOGY MODELING OF NS5-RDRP AND EXPRESSION OF RECOMBINANT NS5-RDRP BASED ON INDONESIA LOCAL-STRAIN DENGUE VIRUS FOR ANTIDENGUE DRUG DEVELOPMENT.....	54
THE POTENCY OF NUTGRASS RHIZOMES (<i>CYPERUS ROTUNDUS</i> L.) EXTRACT AS ANTIOXIDANT AGENT	55



ALANINE AMINOTRANSFERASE BASED BIOSENSORS AS A DETECTOR FOR LIVER FUNCTION: NARRATIVE REVIEW	56
CYTOTOXIC ACTIVITY AND INDUCTION OF DNA FRAGMENTATION BY CHLOROFORM EXTRACT OF AGARWOOD LEAVES (<i>GYRINOPS VERSTEEGII</i> (GILG.) DOMKE AND <i>AQUILARIA MALACCENSIS</i> LAMK.) ON BREAST CANCER T47D CELL LINES	57
PREMATURE RUPTURE OF MEMBRANE (PROM) WITH GASTROSCHISIS: A CASE REPORT	58
DETECTION OF LEPTOSURIA IN SANITARY WORKERS (A PILOT STUDY).....	59
CEFTRIAXON-RESISTANCE OF NEISSERIA GONORRHEAE STRAINS IN MEDAN, INDONESIA.....	60
INCOMPLETE ABORTION TREATMENT IN 15 TH WEEKS GESTATION: A CASE REPORT	61
VIRTUAL SCREENING OF NATURAL COMPOUNDS AGAINST SIX PROTEIN RECEPTORS CODED BY THE SARS-COV-2 GENOME.....	62
THE EFFECT OF JOGGING EXERCISES ON STUDENTS MUSCLE MASS USING BIOELECTRICAL IMPEDANCE ANALYSIS	63
VARIATIONS IN INCIDENCE REPORTS ON DRUG SERVICES TO IMPROVE SERVICE QUALITY	64
MEDIA EXPOSURE RELATIONSHIP WITH COVID-19 PREVENTION BEHAVIOR	65
SIMPLICIA CHARACTERIZATION AND TOTAL FLAVONOIDS DETERMINATION ON METHANOL EXTRACT OF KAREHO LEAVES (<i>CALLICARPA LONGIFOLIA</i> LAM.)	66
THE EFFECT OF THE ANDROID APPLICATION “MH MOBILE” ON THE ATTITUDE OF LEPERS	67
ACHIEVING EFFICIENCY THROUGH LEAN IN HOSPITAL: HOW IS THE EMPLOYEE’S ACCEPTANCE?.....	68
THE EFFECT OF ETHANOL EXTRACT OF PEARL GRASS ON LIVER HISTOPATHOLOGY OF MALE WHITE RATS INDUCED BY RIFAMPICIN AND ISONIAZID	69
PREDICTOR OF MORTALITY IN COVID 19 PATIENTS	70
WEIL'S DISEASE WITH PNEUMONIA : A CASE REPORT	71
IN VITRO AND IN SILICO ANTIDIABETIC POTENTIAL OF AGARWOOD <i>AQUILARIA MALACCENSIS</i> LAMK. LEAVES EXTRACT.....	72
ANALYSIS DETERMINANT THE PREVENTION ATITUDE OF OPPORTUNISTIC INFECTIONS IN PEOPLE LIVING WITH HIV AIDS (PLWHA)	73
MESSENYCHYMAL STEM CELL SECRETOME’S DECREASE ANTI-DSDNA ANTIBODY, PULMONARY VASCULAR INFLAMMATION, KIDNEY DAMAGE, AND INCREASE C3 COMPLEMENT IN LUPUS MICE MODEL	74
NEW DETERMINANT OF STUNTING IN UNDER FIVE YEAR OLD CHILDREN IN BANDAR LAMPUNG	75
MORINGA OLEIFERA EXTRACT DECREASE ANTI-DSDNA ANTIBODY AND REPAIR KIDNEY DAMAGE IN LUPUS NEPHRITIS MICE MODEL	76



RELATIONSHIP BETWEEN THE DURATION OF BEING AN ATHLETE AND THE DURATION OF SMOKING WITH HBCO LEVELS ATHLETES IN BANYUMAS, INDONESIA.....	77
PROTEIN-PROTEIN INTERACTIONS OF ACUTE RESPIRATORY DISTRESS SYNDROME, A COVID-19 COMORBID DISEASE	78
MANGROVES AND THEIR MEDICINAL BENEFIT: A MINI REVIEW	79
THE EFFECT OF ETHANOL EXTRACT OF STARFRUIT (<i>AVERRHOA BILIMBI</i>) TO LEVEL OF MALONDIALDEHYDE (MDA) AND HAEMOGLOBIN (HB) IN WHITE RAT (<i>RATTUS NORVEGICUS</i>) STRAIN WISTAR EXPOSED BY CIGARETTE.....	80
ANALYSIS OF ATTITUDES AND PERCEPTIONS OF EFFECTIVENESS TOWARD THE DISCLOSURE OF A COUPLE 'S SELF-STATUS IN THE SEBAYA SUPPORT GROUP IN SUMENEP DISTRICT	81
SERUM FREE MEDIUM FOR THE PRODUCTION OF EXOSOME DERIVED FROM HUMAN WHARTON JELLY'S STEM CELL	82
APPLICATION-BASED ON FUZZY TSUKAMOTO AND PROFILE MATCHING FOR COMBINATION DRUGS RECOMMENDATIONS IN PATIENTS HYPERTENSION WITH COMPLICATIONS.....	83



ROOM 4

Moderator : dr. Tri Umi

Date : 22 Oktober 2020

Operator : Hisbul Waton

Time : 13.00 – selesai

No	Name	Affiliation	Title
1	HARRY NUGROHO EKO SURNIYANTORO	BADAN TENAGA NUKLIR NASIONAL	ASSESSMENT OF hOGG1 GENETIC POLYMORPHISM (rs1052133) AND DNA DAMAGE IN RADIATION-EXPOSED WORKERS
2	Siti Nurjanah	Tulang Bawang University	CREAM FORMULATION OF EXTRACT OF BERENUK LEAVES (<i>Crescentia cujete</i>) AS AN ANTIMICROBIAL AGAINST <i>Staphylococcus aureus</i>
3	FATHIYAH SAFITHRI	Universitas Muhammadiyah Malang	The effect of Ambon banana diet (<i>Musa acuminata colla</i>) on Resting Metabolic Rate (RMR) in young adult
4	Andra Kurnianto	Universitas Sriwijaya	CURRENT PERSPECTIVES AND PREVENTION STRATEGIES OF HYPERTENSION AMONG ADOLESCENTS AND ADULTS
5	Dian Widiyanti	Universitas YARSI	DETECTION OF LEPTOSURIA IN SANITARY WORKERS (a pilot study)
6	Selvi Rahmawati	Universitas Lampung	PRELIMINARY STUDY : THE POTENCY OF VEGETABLE COOKING OIL AS ALTERNATIVE CLEARING AGENT FOR HISTOLOGICAL PREPARATION
7	Ade Yonata	Universitas Lampung	Case Report: Chronic Thopaceus Gout with Chronic Kidney Disease
8	Tri Umiana Soleha	Universitas Lampung	PLASMID DNA PROFILE CONTAINING VANCOMYCIN RESISTANT GENES IN <i>Staphylococcus aureus</i> FROM DIABETICUM ULCER ISOLATE



CASE REPORT: CHRONIC THOPACEUS GOUT WITH CHRONIC KIDNEY DISEASEFIRST

Ade Yonata¹, Nurul Islamy², Rezita Rahma Reza², Fahmi Ikhtiar²

¹Internal Medicine Department, Faculty of Medicine, University of Lampung

² Faculty of Medicine, University of Lampung

ade.yonata@fk.unila.ac.id

Abstract

Gout arthritis is a group of diseases that result from deposits of monosodium urate in the tissues. These deposits come from extracellular fluids that have been supersaturated from the end product of purine metabolism, namely uric acid. Increased levels of uric acid in serum will form uric acid crystals in the kidneys and can settle in the medullary of the kidneys, tubules, or collecting system which will eventually lead to acute or chronic renal failure. An 80 yrs old male came to the hospitals with a complaint of pain in a lump on the right knee as big as a baseball since a month ago. Physical examination revealed tophi in both the elbow and knee joints and all of the fingers. Investigation showed an increase in blood urea and creatinine. Hyperuricemia should be treated early to prevent chronic gout arthritis and uric acid nephropathy.

Keywords: *gout arthritis, chronic kidney disease, hyperuricemia*