

2nd International Conference on Contemporary Science and Clinical Pharmacy (ICCSCP 2021)

Strengthening the Role of Health
Sciences and Technology in the
Covid 19 Pandemic Era

Advances in Health Sciences Research Volume 40

Online
9-10 September 2021

Editors:

**Erizal Zaini
Friardi Ismed
Rini Agustin**

**Nova Syafni
Lili Fitriani
Rahmi Yosmar**

ISBN: 978-1-7138-3931-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by Atlantis Press
All rights reserved.
Copyright for individual electronic papers remains with the authors.

For permission requests, please contact the publisher:

Atlantis Press
Amsterdam / Paris

Email: contact@atlantis-press.com

Conference Website: <http://www.atlantis-press.com/php/pub.php?publication=icccsp-21>

Printed with permission by Curran Associates, Inc. (2021)

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

THE IMMUNOMODULATORY ACTIVITIES OF ALKALOID (VF-1) ISOLATED FROM STEM BARK OF TAMPA BADAK (VOACANGA FOETIDA (BL) ROLFE) ON RAW 264.7 CELLS.....	1
<i>Zuriva Azwari, Dian Ayu Juwita, Adriani Susanty, Nurdina Putri, Dira Hefni, Dachriyanus, Fatma Sri Wahyuni</i>	
FORMULA OPTIMIZATION OF A SUNSCREEN CREAM OF TOMATO'S PURIFIED EXTRACT.....	10
<i>Fianny Rezka Sjahjadi, Febriyenti, Henny Lucida</i>	
CHEMICAL COMPONENTS AND ANTIBACTERIAL ACTIVITY OF ESSENTIAL OIL EXTRACTED FROM CITRUS X AURANTIFOLIA PEEL	17
<i>Elidahanum Husni, Sofia Ramadani, Suryati, Mesa Irna Suryani, Dachriyanus</i>	
PHYTOCHEMICAL SCREENING AND ANTIBACTERIAL ACTIVITY OF SENDUDUK LEAVES (MELASTOMA MALABATHRICUM L.).....	23
<i>Sri Hainil, Henny Rachdiati, Dwi Prawita</i>	
PATIENT ADHERENCE TO RHEUMATOID ARTHRITIS MEDICATION AT AN OUTPATIENT CLINIC PUBLIC HOSPITAL IN PADANG CITY, WEST SUMATERA.....	26
<i>Dita Permatasari, Juni Fitrah, Vonny Novia, Yelly Oktavia Sari</i>	
PHARMACIST COUNSELLING CAN CHANGE ADHERENCE TO IRON SUPPLEMENTATION AND PHYSICAL ACTIVITY LIFESTYLE OF ANAEMIC PREGNANT WOMEN IN YOGYAKARTA	32
<i>Nurul Kusumawardani, Endang Darmawan, Sri Suprapti, Eliza Dwinta, Daru Estiningsih, Emelda</i>	
PURIFIED GAMBIER (UNCARIA GAMBIR ROXB.) AND PROPOLIS PERFORMANCE IN MALE WHITE MICE (MUS MUSCULUS L.) ANTIBODY TITER WITH MEASLES VACCINE.....	46
<i>Lailaturrahmi, Rabani Ahmad, Dwisari Dillasamola, A. Almahdy</i>	
IN VIVO CYTOTOXIC ACTIVITY AND ACUTE TOXICITY TEST OF ETHANOL EXTRACT FROM VOACANGA FOETIDA (BLUME) ROLFE LEAVES.....	52
<i>Adriani Susanty, Emrizal, Emma Susanti, Alfionita Br Saragih, Husni Muchtar, Dachriyanus</i>	
MULTICOMPONENT CRYSTAL OF FENOFIBRIC ACID- SACCHARIN: CHARACTERIZATION AND ANTIHYPERLIPIDEMIC EFFECTIVENESS	59
<i>Salman Umar, Nedita Putri Bandaro, Deni Anggraini, Erizal Zaini</i>	
MORTALITY OF HEMODIALYSIS PATIENTS WITH COMORBIDITIES AT RSUP PROF DR R.D KANDOU, MANADO, NORTH SULAWESI.....	65
<i>Stefanus Lukas, Diana Laila Ramatillah, Apricia Latuharhary, Yufri Aldi, Fatma Sri Wahyuni</i>	
ANTIBACTERIAL ACTIVITY OF ETHYL ACETATE EXTRACTS FROM MANGROVE PLANTS RHIZOPHORA APICULATA AND SONNERATIA ALBA — ASSOCIATED FUNGI	70
<i>R Dyana Sartika, Annisa Rahma, Salsabillah Amelano, Dian Handayani</i>	
IN VITRO ANTIOXIDANT ACTIVITY AND PHYTOCHEMICAL STUDY OF ARBUSCULAR MYCORRHIZAL FUNGI INDUCED RED GINGER (ZINGIBER. OFFICINALE VAR. RUBRUM)	77
<i>Netty Suharti, Dachriyanus, Henny Lucida, Fatma Sri Wahyuni, Purnawan Pontana Putra</i>	

CORRELATION BETWEEN FASTING BLOOD GLUCOSE AND HEMOGLOBIN LEVEL IN WOMEN OF CHILDBEARING AGE: A BASE-CASE ANALYSIS	81
<i>Najmiatul Fitria, Fivi Melva Diana, Yelly Oktavia Sari</i>	
DIFFERENCES OF CLINICAL DISEASE ACTIVITY INDEX (CDAI) IN RHEUMATOID ARTHRITIS PATIENTS TOWARDS THE USE OF DISEASE MODIFYING ANTI RHEUMATIC DRUGS (DMARD)	88
<i>Rahmi Yosmar, Sindi Suija, Yoneta Srangenge, A. Almahdy</i>	
THE FORMATION AND CHARACTERIZATION OF MULTICOMPONENT CRYSTAL CAFFEIC ACID-TROMETHAMINE USING THE SOLVENT DROP GRINDING TECHNIQUE.....	93
<i>Adhitya Jessica, Amrizal, Uswatul Hasanah, Erizal Zaini, Lili Fitriani</i>	
INVENTORY, MORPHOLOGICAL AND ANTIOXIDANT PROFILE OF THE SUMATERA SIDAGURI (SIDA SPP.) PLANTS	101
<i>Em Ratna Sari, Netty Suhatri, Friardi Ismed, Deddi Prima Putra</i>	
VARIOUS CHLORIDE SALT ADDITION IN MESOPOROUS MATERIAL (SBA-15) SYNTHESIS AND POTENTIAL AS CARRIER FOR DISSOLUTION ENHANCER	111
<i>Uswatul Hasanah, Saleh Wikarsa, Sukmadjaja Asyarie</i>	
IN VITRO EFFECT OF TETRAPRENYLTOLUQUINONE ON NORMAL HUMAN LEUKOCYTE CELL	118
<i>Dira Hefni, Fatma Sri Wahyuni, Surya Dharma, Dachriyanus, Rielenda Fadhillah</i>	
STUDY OF JAMU AS INDONESIAN HERBAL MEDICINE FOR COVID-19 TREATMENT	121
<i>Marisca Evalina Gondokesumo, Krisyanti Budipramana, Silmi Qurrotu Aini</i>	
ANTIHYPERGLYCEMIC OF OLIVE LEAF (OLEA EUROPAEA L.) ETHANOL EXTRACT IN OBESITY DIABETIC MALE MICE (MUS MUSCULUS).....	139
<i>Nurhidayati Harun, Elin Herlina, R Siti Rahmah Kurnia</i>	
GASTROPROTECTIVE EFFECT OF PROPOLIS AGAINST MALE WHITE MICE GASTRIC ULCERS INDUCED BY ASPIRIN.....	146
<i>Elsa Badriyya, Zultia Mandasari, Yufri Aldi, A Almahdy</i>	
ANALGESIC EFFECT OF THE ETHANOL EXTRACT OF SISIK NAGA LEAF (DRYMOGLOSSUM SP.) ON WHITE MALE MICE (MUS MUSCULUS).....	152
<i>Yessi Febriani, Muharni Saputri, Elim Simatupang</i>	
IMMUNOSTIMULANT EFFECT OF PERONEMA CANESCENS. JACK LEAVES EXTRACT AND PROPOLIS IN MALE WHITE MICE	159
<i>Dwisari Dillasamola, Syofyan, Almahdy, Fitri Rachmaini, Mila Yultri, Hanifatul Larisa, Elsya Gustia, Skunda Diliarosta, Biomechy Oktomalioputri</i>	
CHEMICAL CONTENTS PROFILE OF ESSENTIAL OIL FROM CALAMANSI (CITRUS MICROCARPA BUNGE) PEELS AND LEAVES AND ITS ANTIBACTERIAL ACTIVITIES	165
<i>Elidahanum Husni, Fitri Yeni, Dachriyanus</i>	
CHEMICAL PROFILING AND ANTIBACTERIAL ACTIVITY OF JAVANESE TURMERIC (CURCUMA XANTHORRIZA) ESSENTIAL OIL ON SELECTED WOUND PATHOGEN.....	174
<i>Suryati, Dachriyanus, Irwandi Jaswir, Faridah Yusof</i>	
THE IMPACT OF COVID-19 PANDEMIC ON ECONOMY AND HEALTH IN BENGKULU CITY.....	180
<i>Diana Laila Ramatillah, Stefanus Lukas, Mutiara Nanda</i>	

PRIMER DESIGN OF SNP RS4506565 TRANSCRIPTION FACTOR 7 LIKE 2 (TCF7L2) GENE TO DETECT TYPE-2 DIABETES MELLITUS	185
<i>Elsa Badriyya, Afifatul Achyar, Syamsurizal</i>	
THE IMMUNOSTIMULANT ACTIVITIES OF THE GAMBIR (UNCARIA GAMBIR ROXB) ON RAW 264.7 CELL	191
<i>Elsya Gustia, Yufri Aldi, Dira Hefni, Sefrianita Kamal, Dachriyanus, Fatma Sri Wahyuni</i>	
CHARACTERIZATION AND ANTIOXIDANT ACTIVITY OF NANOPARTICLES LOADED JACFRUIT LEAF EXTRACT (ARTOCARPUS HETEROPHYLLUS LAMK.)	198
<i>Dina Permata Wijaya, Mardiyanto, Herlina, Vabiola Besti Delmoda</i>	
THE EPISIOTOMY EFFECT OF TOPICAL COMBINATION OF CINNAMON OIL AND RED BETEL ON SKIN WOUND HEALING MECHANISM	203
<i>Emelda, Ratih Devi Alfiana, Nurul Kusumawardani, Yolanda, Sitarina Widyarini</i>	
IMMUNOMODULATOR EFFECT TEST OF SUNGKAI LEAVES (PERONEMA CANESCESENS JACK.) ETHANOL EXTRACT USING CARBON CLEARANCE METHOD	211
<i>Dwisari Dillasamola, Yufri Aldi, Hendra Kurniawan, Ilza Millenia Jalius</i>	
STIMULANT ACTIVITY OF ARABICA COFFEE LEAVES (COFFEA ARABICA L.) AND CLOVE FLOWERS (SYZYGIUM AROMATICUM (L.) MERR. & L.M. PERRY) ETHANOL EXTRACT MIXTURE IN MALE WHITE MICE	217
<i>Rahmad Abdillah, Helmi Arifin, Fitri Rachmaini, Melda Guswita</i>	
TOTAL PHENOLIC, TOTAL FLAVONOID CONTENT, AND A-GLUCOSIDASE INHIBITORY ACTIVITY OF CENTELLA ASIATICA (L.) URB.	224
<i>Minarti, Megawati, Sofa Fajriah</i>	
FORMULATION AND ANTIBACTERIAL ACTIVITY OF NATURAL DISINFECTANT COMBINATION OF PSIDIUM GUAJAVA AND PIPER BETLE LEAF INFUSION AGAINST STAPHYLOCOCCUS AUREUS	229
<i>Nori Wirahmi, Camelia Dwi Putri Masrijal, Zul Amri, Ikhsan, Muhammad Ichsan Triyansyah</i>	
CHEMICAL CONTENT PROFILE OF ESSENTIAL OIL FROM KAFFIR LIME (CITRUS HYSTRIX DC.) IN TANAH DATAR REGENCY AND ANTIBACTERIAL ACTIVITY	236
<i>Elidahanum Husni, Utari Septiana Putri, Dachriyanus</i>	
CORRELATION BETWEEN THE INCIDENCE OF DRUG-RELATED PROBLEMS (DRPS) AND CLINICAL OUTCOMES IN TYPE 2 DIABETES MELLITUS PATIENTS WITH DYSLIPIDEMIA AT CENTRAL HOSPITAL DR. M. DJAMIL	244
<i>Fitri Rachmaini, Yelly Oktavia Sari, Yori Yulindra, Dini Wariska</i>	
THE CYTOTOXIC EFFECT OF ETHANOLIC EXTRACT OF DASUN TUNGGAL AND GARLIC (ALLIUM SATIVUM) ON RAW 264.7 CELLS	249
<i>Irene Puspa Dewi, Fatma Sri Wahyuni, Yufri Aldi, Dachriyanus</i>	
MEMBRANE OF USNIC ACID IN SOLID DISPERSION AND EFFECTIVENESS IN BURN HEALING	254
<i>Lili Fitriani, Bella Fista, Friardi Ismed, Erizal Zaini</i>	
PRELIMINARY STUDY: BIOAUTOGRAPHY SCREENING ON EDIBLE LOCAL PLANTS WITH A-GLUCOSIDASE INHIBITOR	261
<i>Nova Syafni, Nurwahidatul Arifa, Friardi Ismed, Deddi Prima Putra</i>	

SUNSCREEN ACTIVITY TEST AND FRAGMENTATION ANALYSIS OF THE ACTIVE COMPOUND ETHYL ACETATE FRACTION OF PIDADA MERAH (SONNERATIA CASEOLARIS L.).....	268
<i>Eka Siswanto Syamsul, Salman, Meri Susanti, Dachriyanus</i>	
SUBACUTE TOXICITY OF WATER FRACTION OF AFRICA LEAVES (VERNONIA AMYGDALINA DEL.) ON BLOOD PARAMETERS IN MALE WHITE MICE.....	271
<i>Dian Ayu Juwita, Helmi Arifin, Muhammad Yasin Abdullah, Dita Permatasari</i>	
TLC-BIOAUTOGRAPHIC AND LC-MS/MS DETECTION OF ANTIMICROBIAL COMPOUNDS FROM FOUR SEMIPOLAR EXTRACTS OF CLADONIA SPECIES.....	276
<i>Friardi Ismed, Widi Novella Desti, Nurwahidatul Arifa, Rustini Rustini, Deddi Prima Putra</i>	
EVALUATION OF ANALGETIC USE RATIONALITY AND LEVEL OF PATIENT KNOWLEDGE IN PRIMARY HEALTHCARE FACILITY IN PADANG.....	287
<i>Yoneta Srangenge, Sri Oktavia, Nur Hazizah</i>	
ANTICANCER AND ANTIOXIDANT ACTIVITY OF ASAM KANDIS (GARCINIA COWA ROXB) LEAF EXTRACT AND FRACTION.....	295
<i>Medlyn Jhofi, Elidahanum Husni, Dachriyanus Hamidi</i>	
ANTI-INFLAMMATORY ACTIVITIES OF GEL EXTRACT MARINE SPONGES (AXINELLA CARTERI) TO WHITE MICE MALE	303
<i>Delladari Mayefis, Nur Kamilah Idzan, Yunisa Friscia Yusri</i>	
EFFECTIVENESS TEST OF NATURAL DETOXIFICATION FACIAL WASH GEL ACTIVATED CHARCOAL PALM SHELLS USING HABATUSSAUDAH SCRUB	313
<i>Uce Lestari, Faizar Farid</i>	
ADVERSE EVENTS FOLLOWING IMMUNIZATION REPORT AND VACCINE EFFECTIVENESS OF SINOVAC. AN INTERIM REPORT	318
<i>Abraham Simatupang, Robert H Sirait, Forman Erwin Siagian, Yunita Rmb Sitompul, Luana Natingkaseh, Sudung Nainggolan</i>	
EVALUATION OF ANTIEMETIC DRUGS USE IN CHEMOTHERAPY BREAST CANCER PATIENTS AT DR. PIRNGADI MEDAN HOSPITAL.....	324
<i>Eva Sartika Dasopang, Fenny Hasanah, Desy Natalia Siahaan, Jamilah Nasution</i>	
ANTIHYPERLIPIDEMIA ACTIVITY OF ETHYL ACETATE FRACTION FROM MELINJO (GNETUM GNEMON LINN.) LEAF IN WHITE MALE WISTAR RATS INDUCED BY PROPYLTHIOURACIL	333
<i>Herlina, Ferlina Hayati, Dina Permata Wijaya, Rahma Belinda</i>	
EVALUATION THE KNOWLEDGE, PERCEPTION, AND ATTITUDE OF PHARMACIST SERVICE TOWARDS PHARMACOVIGILANCE.....	343
<i>Rahmi Yosmar, Nailil Khaira Zulni, Armenia</i>	
MOLECULAR DYNAMICS, PREDICTION OF TOXICITY, AND INTERACTION OF THE ACTIVE COMPOUND CAESALPINIA SAPPAN ON ESSENTIAL LIPIDS KLEBSIELLA PNEUMONIAE.....	349
<i>Purnawan Pontana Putra, Fithriani Armin, Nola Florida, Gio Vanny Yusuf, Netty Suharti</i>	

Author Index