

Indonesian Journal of Medical Laboratoy Science and Technology (IJLMST) is a peer-reviewed journal published by Universitas Nahdlatul Ulama Surabaya (UNUSA). This journal is established by the lecturers of Medical Laboratory Technology Department, Faculty of Health, in 2018. IJLMST is registered to International Standard Serial Number (ISSN) with p-ISSN: 2684-6748 and e-ISSN: 2656-9825. This journal is also registered to CrossRef system with a DOI 10.33086/ijmlst. IJMLST is currently accredited on the Science and Technology Index with the predicate of Sinta 3.

## FOCUS AND SCOPE

IJLMST focuses on the field of Medical Laboratory including hematology, clinical chemistry, immunoserology, microbiology, parasitology, cytohistotechnology, clinical toxicology and molecular biology.

## MANUSCRIPT SUBMISSIONS

Before submitting your manuscript online at https://journal2.unusa.ac.id/index.php/IJMLST/, consult the Author Guide posted on the IJMLST website at https://journal2.unusa.ac.id/index.php/IJMLST/guideline.

## **AUTHOR PUBLICATION CHARGE**

This journal is free of charge at all steps including submission, revision, processing and publication.

## **PLAGIARISM POLICY**

Plagiarism is the practice of copying and then presenting existing results, data, or ideas without accurate citing or referencing or permission from the original publisher. All submitted articles will be initially screened using the Turnitin to check plagiarism using a similarity index. The articles having >30% similarity index will be rejected without further peer-review. The authors are then advised to revise and resubmit the manuscript. No plagiarism and no fraudulent data will be tolerated in this journal.

## **COPYRIGHT NOTICE**

Authors who publish with this journal agree to the following terms:

- Authors retain copyright and grant the journal right of first publication, with the work [SPECIFY PERIOD OF TIME] after publication simultaneously licensed under a Creative Commons Attribution ShareAlike License that allows others to share the work with an acknowledgement of the work's authorship and initial publication in this journal.
- Authors are able to enter into separate, additional contractual arrangements for the non-exclusive distribution of the journal's published version of the work (e.g., post it to an institutional repository or publish it in a book), with an acknowledgement of its initial publication in this journal.
- Authors are permitted and encouraged to post their work online (e.g., in institutional repositories or on their website) prior to and during the submission process, as it can lead to productive exchanges, as well as earlier and greater citation of published work.

## **INDEXING**

Sinta, Crossref, Google Scholar, Garuda, Dimensions, Road, PKP Index, Indonesia OneSearch, Scientific Indexing Services.

## **CONTACT ADDRESS**

Campus B Universitas Nahdlatul Ulama Surabaya

Jl. Raya Jemursari No. 51-57, Surabaya, East Java, Indonesia. Zip code 60237

Phone: +62822-3344-123-2

E-mail: ijmlst@unusa.ac.id Website: http://journal2.unusa.ac.id/index.php/IJMLST

## **EDITORIAL TEAM**

## **Editor in Chief**

#### Maharani Pertiwi K

Department of Medical Laboratory Technology, Faculty of Health, Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia.

## **Associate Editor**

#### Samsul Bahari Shamsudin

Community and Family Medicine Department, Faculty of Medicine and Health Science, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia.

#### **Journal Editor**

## **Achmad Syafiuddin**

Department of Public Health, Faculty of Health, Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia.

## Citrawati Dyah Kencono Wungu

Department of Medical Biochemistry, Faculty of Medicine, Universitas Airlangga, Surabaya, Indonesia.

#### Prima Nanda Fauziah

Department of Medical Laboratory Technology, Faculty of Health, Universitas M. H. Thamrin, Jakarta, Indonesia.

#### F. X. Himawan Haryanto Jong

Department Anatomy Histology, Faculty of Medicine, Universitas Katolik Widya Mandala Surabaya, Surabaya, Indonesia.

## **Copyeditor**

### Fildzah Karunia Putri

Department of Nutrition, Faculty of Health, Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia.

## **Proofreader**

## Agusniar Furkani Listyawati

Department of Medical Microbiology, Faculty of Medicine, Universitas Wijaya Kusuma Surabaya, Surabaya, Indonesia.

#### **Endry Nugroho Prasetyo**

Departemen of Biology, Faculty of Science and Data Analytics, Institut Teknologi Sepuluh Nopember, Surabaya Indonesia.

## **Layout Editor**

## Gilang Nugraha

Department of Medical Laboratory Technology, Faculty of Health, Universitas Nahdlatul Ulama Surabaya, Surabaya, Indonesia.

## **Peer Reviewers**

#### Win Darmanto

Department of Biology, Faculty of Science and Technology, Universitas Airlangga, Surabaya, Indonesia.

#### Umi Hamidah

Research Unit for Clean Technology, Indonesian Institute of Sciences, Bandung, Indonesia

### **Dewi Noor Hidayati**

Farma Veterinary Center, Surabaya, Indonesia.

#### **Ummy Mardiana**

Department of Medical Laboratory Technology, STIKes Bakti Tunas Husada, Tasikmalaya, Indonesia.

#### Muthi' Ikawati

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Universitas Gadjah Mada, Yogyakarta, Indonesia.

## Sri Agung Fitri Kusuma

Department of Pharmaceutical Biology, Faculty of Pharmacy, Universitas Padjadjaran, Sumedang, Indonesia.

#### Yurnaliza

Department of Biology, Faculty of Mathematics and Natural Sciences, Universitas Sumatera Utara, Medan, Indonesia.

### Esti Mumpuni

Department of Pharmacy, Universitas Pancasila, Jakarta, Indonesia.

#### Arli Aditya Parikesit

Department of Bioinformatics, School of Life Sciences, Indonesia International Institute for Life Sciences, Jakarta, Indonesia.

## Megga Ratnasari Pikoli

Department of Biology, Faculty of Science and Technology, UIN Syarif Hidayatullah Jakarta, Indonesia.

## Dwi Wahyu Indriarti

Indonesian-Japan Collaborative Research Center for Emerging and Re-emerging Infectious Diseases, Institute of Tropical Disease, Universitas Airlangga, Surabaya, Indonesia.

# Content

Indonesian Journal of Medical Laboratory Science and Technology Volume 3 Number 1, April 2021

ARTICLES	
Ability Of Ethanol Extract from Ajwa and Sukkari Dates ( <i>Phoenix dactylifera</i> L.) in Inhibiting The Growth of Methicillin-Resistant Staphylococcus aureus (MRSA)	1 - 8
Putra Rahmadea Utami, Sri Indrayati, Nur Hayatang	
Chemometric Analysis of Serum Magnesium Calculations Using Mg-Xylidyl Blue-I Method Based on Molar Absorptivity	9 – 18
Ally Kafesa, Nadira Nur Hajah Lutfi, Cep Wahyu	
Comparation Between Mac conkey and Coconut Water Medium as a Growth Medium for Escherichia coli	19 – 25
Endah Prayekti, Suliat <mark>i, Dw</mark> i Agustin <mark>Wula</mark> ndari	
In Silico Analysis of Antiviral Activity and Pharmacokinetic Prediction of Brazilein Sappan Wood ( <i>Caesalpinia sappan</i> L.) Against SARS-CoV-2 Spike Glycoproteins	26 – 37
Dwi Krihariyani, Edy Haryanto, Retno Sasongkowati	
Liver Histopathological Change and Malondialdehyde Level of <i>Rattus Norvegicus</i> on Administration of <i>Curcuma Zedoaria</i> and Paracetamol Toxic Dose	38 – 46
Putu Oky Ari <mark>Tania, Puja Ayu Misuari, Satya Yudh</mark> ayana, Ketut Ayesha Edelwise Prayoga	
Relation of Parasites in Soil with The Existence of Parasites on Farmer's Nails	47 – 55
Edza Aria Wikurendra, Merry Crismiati, Globila Nurika	
The Antibacterial Activity of <i>Thermoactinomyces</i> sp. (H24) Extract Against Escherichia coli and Staphylococcus aureus	56 – 63
Julia Nanda Puspita, Rikhsan Kurniatuhadi, Rahmawati	
The Potential Use of EDTA as an Alternative to Defibrination in Preparing Blood Agar Plates with Human AB Blood on <i>Staphylococcus aureus</i> Culture	64 – 71
Dora Dayu Rahma Turista, Eka Puspitasari, Fanny Kurnanda	
EDITORIAL	
RETRACTION NOTICE TO "N-Terminal pro-Brain Natriuretic Peptide (NT-proBNP) in Stage 1 and Stage 2 Hypertension Patients" [Ina. J. Med. Lab. Sci. Tech. 2019;1(2): 64-67] Supriati Wila Djami	72