

Jurnal Ilmiah Kedokteran Wijaya Kusuma

Vol. 11, No. 2, September 2022

Journal Ilmiah Kedokteran Wijaya Kusuma (JIKW) is a journal published twice a year which contains various articles/manuscripts in the following type of research results, literature reviews, case reports, and short communications in the medical field focused on Biomedical Sciences, Clinical Medicine, Public Health Sciences and Medical Education

Advisor : Prof. Dr. Suhartati, dr., MS

Editor in Chief : Dr. Budhi Setiawan, dr., M.Kes

Editor : 1. Ayu Cahyani N., dr., M.KKK
2. Putu Oky Ari Tania, S.Si., M.Si
3. Dr. Masfufatun, S.Si., M.Si
4. Noer Kumala Indahsari, S.Si., M.Si

Assistant Editor : Rachel Nova Durita, S.Kom.

Reviewers :

1. Prof. Dr. Prihatini, dr. Sp.PK (K) (Patologi Klinik /FK Universitas Wijaya Kusuma Surabaya)
2. Prof. Sri Harmadji, dr. SP., THT-KL (THT/ FK Universitas Wijaya Kusuma Surabaya)
3. Prof. Dr. Ketut Suwiyoga, dr., Sp.OG (K) (Kebidanan & Penyakit Kandungan /FK Udayana)
4. Prof. H. Didik Sarudji, M.Sc (IKM/ FK Universitas Wijaya Kusuma Surabaya)
5. Pratika Yuhyi Hernanda, dr., M.Sc., Ph.D (Biomedik/ FK Universitas Wijaya Kusuma Surabaya)
6. Dr. Dra. Dorta Simamora, M.Si (Biomedik/ FK Universitas Wijaya Kusuma Surabaya)
7. Dr. Erny, dr., Sp.A (K) (Ilmu Kesehatan Anak/ FK Universitas Wijaya Kusuma Surabaya)
8. Dr. H. Artha Budi Susila Duarsa, dr., M.Kes (Ilmu Kesehatan Masyarakat FK Univ. Islam Al-Azhar Mataram)
9. Al Munawir, Ph.D., dr., M.Kes. (Patologi Anatomi/ FK Universitas Jember)
10. Prof. Win Darmanto, Ph.D., M.Si, (Biologi/ FST Universitas Airlangga)
11. Dr. Willy Sandhika, dr., M.Si., Sp.PA (K) (Patologi Anatomi/ FK Universitas Airlangga)

12. Ferry Efendi, Ph.D., S.Kep., Ns., M.Sc. (Fakultas Keperawatan/ Universitas Airlangga)
13. Joko Gunawan, Ph.D (Fakultas Keperawatan/ Chulalongkorn University, Bangkok)
14. Prof. Dr. Widji Soeratri, DEA., Apt. (Fakultas Farmasi/ Universitas Airlangga)
15. Erina Yatmasari, dr., M.Kes. (Parasitologi/ FK Universitas Hang Tuah Surabaya)
16. Fitri Handajani, dr., M.Kes. (Biokimia/ FK Universitas Hang Tuah Surabaya)
17. Dr. Handayani, dr., M.Kes (Farmakologi/ FK Universitas Nahdlatul Ulama Surabaya)
18. Brahmaputra Marjadi, Ph.D., dr., MPH (FK Universitas Wijaya Kusuma Surabaya; School of Medicine, Western Sydney University, Australia)
19. Dr. dr. Basuki Supartono, Sp.OT., FICS, MARS (Fakultas Kedokteran UPN Veteran Jakarta, Indonesia)
20. Prof. Dr. dr. Suhartati, MS (Biokimia/ FK Universitas Wijaya Kusuma Surabaya)
21. Dr. Drs. Eko Suhartono, M.Si (Biokimia/ FK Universitas Lambung Mangkurat, Banjarmasin)

Adress : Fakultas Kedokteran UWKS
Gedung C, Lantai 2 (R. 216)
Jl. Dukuh Kupang XXV Surabaya, 60225
Telp (Fax) 031 5686531
Email: jurnalkedokteranuwks@gmail.com
Website: <http://journal.uwks.ac.id/index.php>

PREFACE

Praise and gratitude that the Jurnal Ilmiah kedokteran Wijaya Kusuma (JIKW) Vol. 11, No. 2, September 2022 edition published. This issue contains articles that discuss aspects of Surgery, Pediatric, Neurology, Physiology, Biochemistry, Biomedical Sciences, Pharmacology, and Public Health Sciences, from Original research, Case Reports, as well as literature review.

Jurnal Ilmiah Kedokteran Wijaya Kusuma (JIKW) receive scientific articles from original research, reports or case studies, studies or literature reviews, as well as medical science, which are oriented to updating information in medical science and technology. It expected be the sources of scientific information and contributing in overcoming medical problems.

The editors invite various scientists from various higher education and research institutions to provide scientific contributions, both in the form of research results and scientific studies on various topics of Health and Medical Science. We welcoming for critics, inputs from readers, medical professionals, or those related to publishing, for the sake of increasing the quality of the journal as we all hope.

The editor hopes that the scientific articles published in the Jurnal Ilmiah Kedokteran Wijaya Kusuma (JIKW) will be useful for academics, researchers and professionals working in the medical world and network building for researchers.

Editor in Chief

Jurnal Ilmiah Kedokteran

Wijaya Kusuma

Vol. 11, No. 2, September 2021

DAFTAR ISI	Halaman
Peritoneal Shunt Extraction in Children Using Laparoscopy: A Case Report <i>Arif Kusumo Rahardjo, Yusuf Hermawan, Vita Dwi Wijayanti</i>	105-110
Potency of Ethanol Extract Celery (<i>Apium graveolens</i> L.) Stalk as Anti-Cholesterol Tikus Bunting Diabetes Mellitus <i>I Made Subhawa Harsa, Andiani Andiani, Harsono Wiradinata, Putu Oky Ari Tania</i>	111-115
The Effect of Patin Fish Oil Extract on LDL Cholesterol Levels <i>Rattus norvegicus</i> was Induced by Alloxan <i>Salsabila Yumna Fathony, Fitri Handajani, Indri Ngesti Rahayu</i>	116-124
Increased Levels of Nerve Growth Factor Indicating Brain Injury in Mice Model <i>Prastiya Indra Gunawan, Riza Noviandi, Sunny Mariana Samosir</i>	125-130
Relationship Between Medication Adherence Level and Recovery of Pulmonary Tuberculosis Patients at Gapura Public Health Center Sumenep <i>Maulina Syafakamila, Rini Purbowati</i>	131-137
Literature Study: Effectiveness of Scabies Treatment Using Natural Ingredients <i>Glory Merys Melanesian Nega, Erina Yatmasari, Agustnus Sareh Arjono Tjandra</i>	138-144
A Sago Positive Character: A Systematic Review <i>Budhi Setiawan, Fetriyuna Fetriyuna, Sri Murniani Angelina Letsoin, Ratna Chrismiari Purwestri, Ignasius Radix A.P. Jati</i>	145-155
Dispersion of Carbon Monoxide Pollutant and The Effect of Health (Case Study on Frontage Road Surabaya by Gaussian Line Source Equation Model) <i>Nurachmawati Meindah Sari, R. Azizah, Lilis Sulistyorini, Endrayana Putut Laksminto Emanuel, Emillia Devi Dwi Rianti, Fuad Ama, Sukma Sahadewa, Agusniar Furkani Listyawati, Aily Soekanto, Hardiyono Hardiyono</i>	156-165
The Role of Cytokines in Inflammatory Process of Knee Osteoarthritis: Systematic Review <i>Florenzia Christofora Ngantung, Basuki Supartono, Hikmah Muktamiroh</i>	166-170

Literature Study: The Effect of Giving Chitosan Water Gel (Hydrogel) on Healing Diabetic Ulcers Based on In Vivo Studies with Animal Models <i>Zahratul Noreisza Rakhmadi, Erina Yatmasari, Prawesty Diah Utami</i>	171-182
The Impact of Using Gadgets at Early Age on The Brain Development of Infants and Children (Literature Review Article) <i>Erny Erny, Okky Prasetyo, Aily Soekanto</i>	183-191
Erythrocyte Sedimentation Rate and Hemoglobin Levels in Pesticide Poisoning-Farmers <i>Heru Cahjono, Salmon Charles P.T. Siahaan, Ferdinand Aprianto Tannus, Rizki Perdani, Eko Suhartono</i>	192-197

Acknowledgement to Reviewers

The editors of Jurnal Ilmiah Kedokteran Wijaya Kusuma (JIKW) would like to sincerely thank the peer reviewers/Bestari Partners who have reviewed the articles published in the Wijaya Kusuma Medical Scientific Journal Vol. 11, No. 2, September 2022. The following Bestari partners include:

1. Fitri Handayani, dr., M.Kes (Biokimia/ FK Universitas Hang Tuah Surabaya)
2. Brahmputra Marjadi, Ph.D., dr., MPH FK Universitas Wijaya Kusuma Surabaya; School of Medicine, Western Sydney University, Australia)
3. Dr. dr. Basuki Supartono, Sp.OT., FICS, MARS (Fakultas Kedokteran UPN Veteran Jakarta, Indonesia)
4. Pratika Yuhyi Hernanda, dr., M.Sc., Ph.D (Biomedik/ FK UWKS)
5. Ferry Efendi, Ph.D., S.Kep., Ns., M.Sc (Fakultas Keperawatan/ Universitas Airlangga)
6. Prof. Win Darmanto, PhD., M.Si (Biologi/ FST Universitas Airlangga)
7. Dr. Willy Sandhika, dr., M.Si., Sp.PA (K) (Patologi Anatomi/ FK Universitas Airlangga)
8. Dr. H. Artha Budi Susila Duarsa, dr., M.Kes
9. Joko Gunawan, Ph.D (Fakultas Keperawatan/ Chulalongkorn University, Bangkok)
10. Prof. Dr. dr. Suhartati, MS (Biokimia/ FK Universitas Wijaya Kusuma Surabaya)
11. Prof. H. Didik Sarudji, M.Sc (IKM/ FK Universitas Wijaya Kusuma Surabaya)
12. Dr. Drs. Eko Suhartono, M.Si (Biokimia/ FK Universitas Lambung Mangkurat, Banjarmasin)