



# DIPONEGORO MEDICAL JOURNAL

(Jurnal Kedokteran Diponegoro)

e-ISSN : 2540-8844

Volume 9 Nomor 3 Mei 2020

Publish by : Faculty of Medicine, Diponegoro University - Semarang Indonesia

The effect of polyometrics training on explosive power of Medical Students in Diponegoro University

The effect of mat pilates in lumbar flexibility of overweight and obese children  
The impact of body mass index to acute myocardial infarction in-hospital patients mortality rate in dr. Kariadi Hospital  
Right ventricular and pulmonary hypertension in chronic obstructive pulmonary disease and restrictive lung disease

Antimicrobial effect of arrowroot (*Maranta Arundinacea L.*) methanolic extract against *staphylococcus aureus* bacterial growth  
The effect of jengkol seed (*Archidendron pauciflorum*) extract to plasma MDA level due to deep second degree burn wound in sprague dawley rats

The correlation between cell of origin subtype with overall survival of diffuse large b-cell lymphoma patients in Kariadi General Hospital Semarang  
Correlations between successful therapy and anxiety level of post operative glaucoma patients

The effect of breastfeeding education among postpartum mothers on exclusive breastfeeding practice one month after delivery

Comparison of the effectiveness of curcuma domestica extract and curcuma xanthorrhiza extract against liver function and hepatic cell inflammation on streptozotocin-induced diabetes mellitus mice

The influence of beetroot (*Beta vulgaris*) on spermatozoa vitality of wistar rats exposed to mosquito coils

The difference of neutrophil lymphocyte ratio (NLR) in conventional and electric smokers

The effect of turmeric extract (*curcuma longa*) on the improvement of muscle mass in swiss diabetes melitus mice skeletal muscle induced by streptozotocin  
Clinical and histopathological characteristics of primary brain tumor disease in RSUP dr. Kariadi Semarang  
Kepatuhan cuci tangan petugas rawat inap di Rumah Sakit Nasional Diponegoro Semarang

## **Focus and scope**

Diponegoro Medical Journal accepts articles covering all aspects of medicine and health sciences from students, lecturers, and practitioners working in the fields of medicine and health sciences.

## **Section Policies**

This journal contains articles of open submissions, indexed, and peer reviewed.

## **Peer Review Process**

Articles published in this journal have been subjected to review process by peer reviewers and editorial board. The decision whether a manuscript is accepted or rejected is fully in the authority of editorial boards. Plagiarism aspects are screened by validation team using tools e.g. by Google Scholar findings.

## **Publication Frequency**

This journal publishes 6 issues per annum.

## **Open Access Policy**

This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

## **Publication Ethics**

**Diponegoro Medical Journal** is a peer-reviewed journal published by Faculty of Medicine, Diponegoro University. This statement clarifies ethical behaviour of all parties involved in the act of publishing an article in this journal, including the author, the chief editor, the Editorial Board, the peer-reviewer and the publisher. This statement is based on COPE's Best Practice Guidelines for Journal Editors.

## **DIPONEGORO MEDICAL JOURNAL**

### **Editorial Team:**

#### **Editor in Chief**

Dr. dr. Hardian

#### **Managing Editor**

dr. Muflihatul Muniroh, M.Si., Med., Ph.D.

#### **Editorial Boards**

Dr.dr. Neni Susilaningsih, M.Si.

dr. Yosef Purwoko, Sp.PD., M.Kes.

dr. Dodik Pramono, M.Si.Med.

dr. Muhamad Thohar Arifin, Sp.BS., Ph.D.PA

dr. Yuriz Bakhtiar, Sp.BS, Ph.D.

dr. Santoso, M.Si.Med., Sp.N

dr. Endang Mahati, M.Sc., Ph.D.

dr. Yora Nindita, M.Sc.

dr. Darmawati Ayu Indraswari, M.Si.Med.

#### **Peer Reviewer**

Dr. dr. Hardian

dr. Muflihatul Muniroh, M.Si., Med., Ph.D.

Dr.dr. Neni Susilaningsih, M.Si.

dr. Yosef Purwoko, Sp.PD., M.Kes.

dr. Dodik Pramono, M.Si.Med.

dr. Muhamad Thohar Arifin, Sp.BS., Ph.D.PA

dr. Yuriz Bakhtiar, Sp.BS, Ph.D.

dr. Santoso, M.Si.Med., Sp.N

dr. Endang Mahati, M.Sc., Ph.D.

dr. Nani Maharani, M.Si.Med., Ph.D.

dr. Yora Nindita, M.Sc.

dr. Darmawati Ayu Indraswari, M.Si.Med.

#### **Published By:**

Faculty of Medicine, Diponegoro University

Jln. Prof Soedarto SH, Kampus Undip

Tembalang, Semarang, Indonesia

Phone: (024) 76928010

Fax: (024) 76928011

Email: [jkd@fk.undip.ac.id](mailto:jkd@fk.undip.ac.id)

**DAFTAR ISI****DMJ : Vol. 9, No. 3, Mei 2020**

The effect of polyometrics training on explosive power of Medical Students  
in Diponegoro University

Pramatama Andhika Sunarso Pandoyo, Darmawati Ayu Indraswari, Marijo, Yuriz Bakhtiar 213-219

The effect of mat pilates in lumbar flexibility of overweight and obese children

Graciela Eunike Hartono, Tanti Ajoe Kesoema , Rahmi Isma A.P, Dimas Tri Anantyo 220-224

The impact of body mass index to acute myocardial infarction in-hospital patients mortality rate in dr. Kariadi Hospital

Indra Adhim Karunia Aji, Andreas Arie Setiawan, Ariosta, Setyo Gundi Pramudo 225-234

Right ventricular and pulmonary hypertension in chronic obstructive pulmonary disease and restrictive lung disease

Valencia Fabiana, Dwi Lestari Partiningrum, Bernardus Parish Budiono, Fathur Nur Kholis 235-240

Antimicrobial effect of arrowroot (*Maranta Arundinacea L.*) methanolic extract against *staphylococcus aureus* bacterial growth

Muhammad Ghaza Syahputra, Arlita Leniseptaria, Winarto, Endang Sri Lestari 241-245

The effect of jengkol seed (*archidendron pauciflorum*) extract to plasma MDA level due to deep second degree burn wound in *sprague dawley* rats

Steffi Kurniati, Lusiana Batubara, Edmond Rukmana Wikanta, Andrew Johan 246-251

The correlation between cell of origin subtype with overall survival of diffuse large b-cell lymphoma patients in Kariadi General Hospital Semarang

Jenifer Marsela Tarius, Hermawan Istiadi, Ika Pawitra Miranti, Intan Rahmania Eka Dini 252-258

Correlations between successful therapy and anxiety level of post operative glaucoma patients

Singgih Pratam, Arief Wildan, Riski Prihatningtias, Fifin Luthfia Rahmi 259-262

The effect of breastfeeding education among postpartum mothers on exclusive breastfeeding practice one month after delivery

Laurentius Juan Wicaksono, Dimas Tri Anantyo, Julian Dewantiningrum, Bambang Hariyana 263-268

Comparison of the effectiveness of curcuma domestica extract and curcuma xanthorrhiza extract against liver function and hepatic cell inflammation on streptozotocin-induced diabetes mellitus mice

Amira Naufal, Alfin Ihza Trimahendra, Astika Widya Utomo, Vega Karlowee, Awal Prasetyo, Mochamad Ali Sobirin 269-276



## DIPONEGORO MEDICAL JOURNAL

(Jurnal Kedokteran Diponegoro)

Online : <http://ejournal3.undip.ac.id/index.php/medico>

E-ISSN : 2540-8844

Volume 9, Nomor 3, Mei 2020

---

The influence of beetroot (*beta vulgaris*) on spermatozoa vitality of wistar rats exposed to mosquito coils

*Mohammad Arya Lingga Bharadaksa, Mahayu Dewi Ariani, Puspita Kusuma Dewi, Trilaksana Nugroho*

277-282

The difference of neutrophil lymphocyte ratio (NLR) in conventional and electric smokers

*Diah Ayu Siti Sarah, Zulfikar Naftali, Willy Yusmawan, Suprihati*

283-287

The effect of turmeric extract (*curcuma longa*) on the improvement of muscle mass in swiss diabetes melitus mice skeletal muscle induced by streptozotocin

*Alfin Ihza Trimahendra, Yora Nindita, Vega Karlowee, Muhamad Thohar Arifin, Mochamad Ali Sobirin*

288-292

Clinical and histopathological characteristics of primary brain tumor disease in RSUP dr. Kariadi Semarang

*Madani Hastutyosun, Trianggoro Budisulistyo, Arinta Puspita Wati*

293-300

Kepatuhan cuci tangan petugas rawat inap di Rumah Sakit Nasional Diponegoro Semarang

*Rahma Athifah Amelia, Winarto, Purnomo Hadi, Endang Sri Lestari*

301-312