

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH: JURNAL ILMIAH

Judul Jurnal Ilmiah (Artikel) : Dilemma of Presymptomatic Testing in Children with History of Late Onset Neurodegenerative Spinocerebellar Ataxia in Indonesia

Jumlah Penulis : 5 orang (Nydia Rena Benita Sihombing, Tri Indah Winarni, Maria Belladonna, **Annastasia Ediaty**, Sultana MH Faradz)

Status Pengusul : Penulis ke-4

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Journal of Biomedicine and Translational Research
- b. Nomor/ISSN : 2503-2178
- c. Vol, no, bulan, tahun : Volume 8 No 1 (2022), Halaman: 32-37
- d. Penerbit : Universitas Diponegoro
- e. DOI artikel (jika ada) : <https://doi.org/10.14710/jbtr.v1i1.13032>
- f. Indeks : Sinta 2
- g. Alamat web Jurnal : <https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13032>

Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat) :

- ☐ Jurnal Ilmiah Internasional / Internasional Bereputasi
- ☒ Jurnal Ilmiah Nasional Terakreditasi
- ☐ Jurnal Ilmiah Nasional / Nasional terindeks di DOAJ, CABI, COPENICUS

Hasil Penilaian *Peer Review*:

Komponen yang Dinilai	Nilai Reviewer		Nilai Rerata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi jurnal (10%)	1,5	2,3	1,9
b. Ruang lingkup dan kedalaman pembahasan (30%)	6,5	7,1	6,8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	6,0	7,2	6,6
d. Kelengkapan unsur dan kualitas penerbit (30%)	6,5	7,3	6,9
Total = (100%)	20,5	23,8	22,15
Penulis ke 4 = (0,4 x 22,15) / 4 = 2,215			

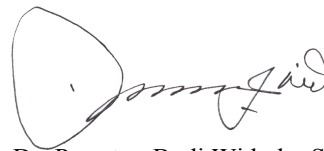
Semarang, 8 November 2022

Reviewer 1,



Prof. Dian Ratna Sawitri, S.Psi., M.Si., Ph.D
 NIP. 197809012002122001
 Unit kerja: Fakultas Psikologi Universitas Diponegoro
 Bidang Ilmu: Psikologi

Reviewer 2,



Dr. Prasetyo Budi Widodo, S.Psi., M.Si.
 NIP. 197509011999031002
 Unit kerja: Fakultas Psikologi Universitas Diponegoro
 Bidang Ilmu: Psikologi

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH: JURNAL ILMIAH

Judul Jurnal Ilmiah (Artikel) : Dilemma of Presymptomatic Testing in Children with History of Late Onset Neurodegenerative Spinocerebellar Ataxia in Indonesia

Jumlah Penulis : 5 orang (Nydia Rena Benita Sihombing, Tri Indah Winarni, Maria Belladonna, **Annastasia Ediaty**, Sultana MH Faradz)

Status Pengusul : Penulis ke-4

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Journal of Biomedicine and Translational Research
- b. Nomor/ISSN : 2503-2178
- c. Vol, no, bulan, tahun : Volume 8 No 1 (2022), Halaman: 32-37
- d. Penerbit : Universitas Diponegoro
- e. DOI artikel (jika ada) : <https://doi.org/10.14710/jbtr.v1i1.13032>
- f. Indeks : Sinta 2
- g. Alamat web Jurnal : <https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13032>

Kategori Publikasi Jurnal Ilmiah : ☐ Jurnal Ilmiah Internasional / Internasional Bereputasi
 (beri ✓ pada kategori yang tepat) ☒ Jurnal Ilmiah Nasional Terakreditasi
☐ Jurnal Ilmiah Nasional / Nasional terindeks di DOAJ, CABI, COPERNICUS

Hasil Penilaian *Peer Review* :

Komponen yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Yang Diperoleh
	Internasional ☐	Nasional Terakreditasi ☒	Nasional Tidak Terakreditasi ☐	
a. Kelengkapan unsur isi buku (10%)		2,5		1,5
b. Ruang lingkup dan kedalaman pembahasan (30%)		7,5		6,5
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		7,5		6
d. Kelengkapan unsur dan kualitas penerbit (30%)		7,5		6,5
Total = (100%)		25		20,5
Total = (0,4 x 20,5) : 4 = 2,05				

Catatan penilaian oleh reviewer:

a. Kelengkapan unsur isi artikel:

Artikel jurnal ini disajikan dalam Bahasa Inggris. Artikel jurnal ini terdiri dari unsur-unsur yang lengkap, meliputi title, abstract, introduction, case reports, discussion, conclusion, dan references. Unsur-unsur tersebut merupakan unsur-unsur yang pada umumnya terdapat dalam artikel jurnal nasional terakreditasi.

b. Ruang lingkup dan kedalaman pembahasan:

Penelitian ini menyajikan gambaran dilemma 2 keluarga yang menjalani tahap presymptomatic genetic testing pada anak yang mengalami Spinocerebellar ataxia (SCA). Hasil penelitian telah dibahas secara mendalam, dan memberikan rekomendasi bahwa terdapat terutama dalam situasi kompleks dimana isu-isu psikologis dan etis perlu ditinjau secara tuntas.

c. Kecukupan dan kemutakhiran data/ informasi dan metodologi:

Secara metodologis, desain dan tahap penelitian yang dilakukan tergolong tepat. Pemeriksaan yang lengkap telah dilakukan, meliputi pedigree construction, pemeriksaan fisik dan neurologis, analisis mutase gen, dan presymptomatic testing untuk anggota keluarga, termasuk anak-anak. Namun ditinjau dari kecukupan informasi, artikel ini memuat 18 referensi. Jumlah referensi ini tergolong terbatas, dan

kurang dari 80% dari referensi yang digunakan tersebut, yaitu sebanyak 62% referensi saja yang merupakan terbitan 10 tahun terakhir sehingga kecukupan data atau kemutakhiran informasi yang disajikan tergolong masih kurang memadai.

d. Kelengkapan unsur dan kualitas penerbit:

Kelengkapan unsur-unsur yang disajikan penerbit untuk artikel jurnal ini dapat dikatakan cukup memadai. Kualitas cetak jurnal ini juga tergolong cukup baik.

e. Indikasi plagiasi:

Tingkat orisinalitas artikel tergolong memadai. Hasil Turnitin Similarity Index sebesar 18% memberikan gambaran bahwa tidak terdapat indikasi plagiasi dalam artikel ini.

f. Kesesuaian bidang ilmu:

Artikel jurnal ini menyajikan tema penelitian gambaran keluarga yang menjalani tahap presymptomatic genetic testing pada anak yang mengalami Spinocerebellar ataxia (SCA)), dengan kontribusi pengusul yang sejalan dengan bidang ilmu yang dimilikinya, yaitu psikologi.

Semarang, 30 Oktober 2022

Reviewer 1



Prof. Dian Ratna Sawitri, S.Psi., M.Si., Ph.D

NIP. 197809012002122001

Unit kerja: Fakultas Psikologi Universitas Diponegoro

Bidang ilmu: Psikologi

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH: JURNAL ILMIAH

Judul Jurnal Ilmiah (Artikel) : Dilemma of Presymptomatic Testing in Children with History of Late Onset Neurodegenerative Spinocerebellar Ataxia in Indonesia

Jumlah Penulis : 5 orang (Nydia Rena Benita Sihombing, Tri Indah Winarni, Maria Belladonna, **Annastasia Ediati**, Sultana MH Faradz)

Status Pengusul : Penulis ke-4

Identitas Jurnal Ilmiah : a. Nama Jurnal : Journal of Biomedicine and Translational Research
b. Nomor/ISSN : 2503-2178
c. Vol, no, bulan, tahun : Volume 8 No 1 (2022), Halaman: 32-37
d. Penerbit : Universitas Diponegoro
e. DOI artikel (jika ada) : <https://doi.org/10.14710/jbtr.v1i1.13032>
f. Indeks : Sinta 2
g. Alamat web Jurnal : <https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13032>

Kategori Publikasi Jurnal Ilmiah : ☐ Jurnal Ilmiah Internasional / Internasional Bereputasi
(beri ✓ pada kategori yang tepat) ☒ Jurnal Ilmiah Nasional Terakreditasi
☐ Jurnal Ilmiah Nasional / Nasional terindeks di DOAJ, CABI, COPERNICUS

Hasil Penilaian *Peer Review* :

Komponen yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Yang Diperoleh
	Internasional	Nasional Terakreditasi [25]	Nasional Tidak Terakreditasi	
a. Kelengkapan unsur isi buku (10%)		2,5		2,3
b. Ruang lingkup dan kedalaman pembahasan (30%)		7,5		7,1
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		7,5		7,2
d. Kelengkapan unsur dan kualitas penerbit (30%)		7,5		7,3
Total = (100%)		25		23,8
Nilai yang diperoleh: $(40\% \times 23,8) / 4 = 2,38$				

Catatan penilaian artikel oleh reviewer:

a. Kelengkapan unsur isi artikel:

Penulisan artikel case report mengikuti panduan dari jurnal nasional terakreditasi dan unsur-unsurnya lengkap, dari judul, *abstract*, *introduction*, ilustrasi kasus, *discussion*, *conclusion*, *acknowledgement*, *references*. Artikel ditulis dalam bahasa Inggris.

b. Ruang lingkup dan kedalaman pembahasan :

Artikel ini membahas mengenai dua kasus kelainan degeneratif bawaan pada pria dan wanita dewasa dengan onset di usia 27 tahun. Pemeriksaan dan konseling genetik dilakukan terhadap anggota keluarga. Dilema etis dan psikologis muncul dalam penanganan kedua kasus ini. Ruang lingkup pembahasannya medis dan psikologis.

c. Kecukupan dan kemutakhiran data/ informasi dan metodologi :

Informasi mengenai kasus kelainan genetika seperti ini tergolong langka sehingga sangat bermanfaat bagi tenaga kesehatan yang menangani kasus serupa. Referensi terkini (terbit dalam 10 tahun terakhir) sekitar 65%, namun dapat dipahami karena kasusnya tergolong langka.

d. Kelengkapan unsur dan kualitas penerbit :

Penerbit jurnal ini adalah Fakultas Kedokteran Universitas Diponegoro. Jurnal memiliki tim dewan editor dan penyunting yang kompeten. Kualitas dan kelengkapan penerbit tergolong baik.

e. Indikasi plagiasi:

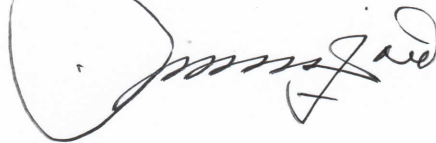
Dari hasil cek similaritas, tidak ada indikasi plagiasi (hanya 18%).

f. Kesesuaian dengan bidang ilmu:

Tulisan ini membahas mengenai dilema dalam penanganan suatu kelainan genetika (SCA). Jadi, tulisan ini sangat sesuai dengan bidang ilmu pengusul, yakni Psikologi.

Semarang,17. Oct '22.....

Reviewer 2

A handwritten signature in black ink, appearing to read 'Prasetyo Budi Widodo', enclosed within a hand-drawn oval border.

Dr. Prasetyo Budi Widodo, S.Psi., M.Si.

NIP. 197509011999031002

Unit kerja: Fakultas Psikologi Universitas Diponegoro

Bidang ilmu: Psikologi



**KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
DIREKTORAT JENDERAL PENDIDIKAN
TINGGI, RISET, DAN TEKNOLOGI**

Jalan Jenderal Sudirman, Senayan, Jakarta 10270

Telepon (021) 57946104, Pusat Panggilan ULT DIKTI 126

Laman www.diktiristek.kemdikbud.go.id

Nomor : 5162/E4/AK.04/2021

27 Desember 2021

Lampiran : satu berkas

Hal : Pemberitahuan Hasil Akreditasi Jurnal Ilmiah Periode I Tahun 2021

Yth.

1. Pimpinan Perguruan Tinggi di lingkungan Kemendikbudristek
2. Kepala Lembaga Layanan Pendidikan Tinggi Wilayah I s.d. XVI
3. Ketua Himpunan Profesi
4. Pengelola Jurnal Ilmiah

Sehubungan dengan hasil Akreditasi Jurnal Ilmiah Periode I Tahun 2021 dan telah diterbitkannya Surat Keputusan Direktur Jenderal Pendidikan Tinggi, Riset, dan Teknologi, Nomor: 158/E/KPT/2021 tanggal 09 Desember 2021 tentang Peringkat Akreditasi Jurnal Ilmiah periode I Tahun 2021, dengan hormat bersama ini kami sampaikan hasil akreditasi sebagaimana terlampir. Adapun ketentuan penerbitan sertifikat akreditasi sebagai berikut:

1. Usulan akreditasi baru maka sertifikat akreditasi akan diterbitkan dan diberikan kepada pengelola jurnal.
2. Usulan akreditasi ulang yang hasil akreditasi naik peringkat maka sertifikat akreditasi akan diterbitkan dan diberikan kepada pengelola jurnal.
3. Usulan akreditasi ulang yang hasil akreditasi turun peringkat maka sertifikat akreditasi akan diterbitkan dan diberikan kepada pengelola jurnal.
4. Usulan akreditasi ulang yang hasil akreditasi peringkatnya tetap dan telah memiliki sertifikat yang masih berlaku masa akreditasi, maka sertifikat baru tidak akan diterbitkan, dan sertifikat sebelumnya dapat digunakan sampai berakhir masa berlaku.
5. Jurnal yang sudah terakreditasi dan namanya tercantum dalam SK sebelumnya serta belum memiliki sertifikat dapat meminta sertifikat terdahulu.
6. Penerbitan sertifikat dilakukan secara bertahap setelah pengumuman ini dan dilakukan pemutakhiran data di laman : <http://sinta.kemdikbud.go.id/journals>, sertifikat dapat diunduh langsung secara bertahap melalui akun pengusul di laman: <http://arjuna.kemdikbud.go.id/>.
7. Mengingat terdapat lebih dari 3.000 (tiga ribu) usulan akreditasi jurnal pada tahun 2021, bagi jurnal yang telah masuk proses penilaian namun belum tercantum pada keputusan hasil akreditasi periode I maka akan diumumkan pada periode II tahun 2021, serta bagi jurnal yang telah lolos evaluasi administrasi namun belum berkesempatan untuk dinilai, maka akan dilakukan penilaian akreditasi dan menjadi prioritas utama pada periode berikutnya di tahun 2022.
8. Usulan akreditasi yang diusulkan tahun 2021 namun belum dilakukan desk evaluasi maka akan dilakukan penilaian desk evaluasi pada tahun 2022.
9. Usulan baru dan jurnal dengan masa berlaku habis sertifikat pada tahun 2021 yang tidak lolos evaluasi administrasi, maka dapat melakukan pengajuan usulan akreditasi kembali pada periode berikutnya tahun 2022, untuk tanggal dan waktunya menunggu pengumuman resmi di laman: <http://arjuna.kemdikbud.go.id/>.

Catatan :

1. UU ITE No. 11 Tahun 2008 Pasal 5 Ayat 1 "Informasi Elektronik dan/atau Dokumen Elektronik dan/atau hasil cetaknya merupakan alat bukti yang sah."
2. Dokumen ini telah ditandatangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan oleh BSRé

10. Jurnal yang tercantum dalam Surat Keputusan Direktur Jenderal Pendidikan Tinggi, Riset, dan Teknologi Nomor 158/E/KPT/2021, tanggal 09 Desember 2021 dapat mengajukan akreditasi ulang setelah menerbitkan 4 nomor terbaru dari nomor terakhir yang diajukan pada saat akreditasi terakhir melalui laman <http://arjuna.kemdikbud.go.id>.

Atas perhatian dan kerja sama yang baik, kami ucapkan terima kasih.

Direktur Sumber Daya,



Mohammad Sofwan Effendi
NIP 196404031985031008

Tembusan:
plt. Direktur Jenderal Pendidikan Tinggi, Riset, dan Teknologi

SALINAN
LAMPIRAN
KEPUTUSAN DIREKTUR JENDERAL
PENDIDIKAN TINGGI, RISET, DAN TEKNOLOGI
NOMOR 158/E/KPT/2021
TENTANG
PERINGKAT AKREDITASI JURNAL ILMIAH
PERIODE I TAHUN 2021

PERINGKAT AKREDITASI JURNAL ILMIAH PERIODE I TAHUN 2021

No	Nama Jurnal	eISSN	Penerbit	Keterangan
Peringkat 1				
1	Al-Ihkam: Jurnal Hukum dan Pranata Sosial	24423084	Fakultas Syariah Institut Agama Islam Negeri Madura	Reakreditasi Naik Peringkat dari Peringkat 2 ke Peringkat 1 mulai Volume 16 Nomor 1 Tahun 2021 sampai Volume 20 Nomor 2 Tahun 2025
2	<i>Automotive Experiences</i>	26156636	Universitas Muhammadiyah Magelang	Reakreditasi Naik Peringkat dari Peringkat 2 ke Peringkat 1 mulai Volume 3 Nomor 1 Tahun 2020 sampai Volume 7 Nomor 2 Tahun 2024
3	<i>REINWARDTIA</i>	23378824	<i>Herbarium Bogoriense, Botany Division, Research Center for Biology</i>	Reakreditasi Naik Peringkat dari Peringkat 2 ke Peringkat 1 mulai Volume 19 Nomor 1 Tahun 2020 sampai Volume 23 Nomor 2 Tahun 2024

45	<i>Journal of Biomedicine and Translational Research</i>	25032178	Universitas Diponegoro	Reakreditasi Tetap di Peringkat 2 mulai Volume 6 Nomor 1 Tahun 2020 sampai Volume 10 Nomor 2 Tahun 2024
46	<i>Journal of Education and Learning</i>	23029277	Universitas Ahmad Dahlan bekerjasama dengan IAES Indonesia Section	Reakreditasi Tetap di Peringkat 2 mulai Volume 15 Nomor 1 Tahun 2021 sampai Volume 19 Nomor 2 Tahun 2025
47	<i>Journal of Environmental Science and Sustainable Development</i>	26556847	Universitas Indonesia	Akreditasi Baru Peringkat 2 mulai Volume 1 Nomor 1 Tahun 2018 sampai Volume 5 Nomor 2 Tahun 2022
48	<i>Journal of Innovation in Educational and Cultural Research</i>	27229696	Yayasan Keluarga Guru Mandiri	Akreditasi Baru Peringkat 2 mulai Volume 1 Nomor 1 Tahun 2020 sampai Volume 5 Nomor 2 Tahun 2024
49	<i>Journal of Local Government Issues (Logos)</i>	26203812	Universitas Muhammadiyah Malang	Reakreditasi Naik Peringkat dari Peringkat 4 ke Peringkat 2 mulai Volume 3 Nomor 2 Tahun 2020 sampai Volume 8 Nomor 1 Tahun 2025

30	TSARWATICA (<i>Islamic Economic, Accounting, and Management Journal</i>)	26858339	Sekolah Tinggi Ilmu Ekonomi Sutaatmadja	Akreditasi Baru Peringkat 6 mulai Volume 1 Nomor 1 Tahun 2019 sampai Volume 5 Nomor 2 Tahun 2023
31	Wacana Paramarta: Jurnal Ilmu Hukum	26847434	Fakultas Hukum Universitas Langlangbuana	Akreditasi Baru Peringkat 6 mulai Volume 18 Nomor 1 Tahun 2019 sampai Volume 22 Nomor 2 Tahun 2023

Plt. DIREKTUR JENDERAL PENDIDIKAN
TINGGI, RISET, DAN TEKNOLOGI,

TTD.

NIZAM

NIP 196107061987101001

Salinan sesuai dengan aslinya
Sekretaris Direktorat Jenderal Pendidikan Tinggi, Riset, Teknologi
Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi

TTD.

 Paristiyanti Nurwardani
NIP 196305071990022001 

Dilemma of presymptomatic testing in children with history of late onset neurodegenerative spinocerebellar ataxia in Indonesia

NRB Sihombing, TI Winarni... - ... of Biomedicine and ..., 2022 - ejournal2.undip.ac.id

Background: Spinocerebellar ataxia (SCA) is a late onset neurodegenerative disorder in which coordination and balance are affected. Although many international guidelines have been established regarding presymptomatic testing, it is still a grey area in Indonesia. We report two large families with advanced stages of SCA who underwent presymptomatic genetic testing in children along counseling process. Case presentation: Thorough examination was performed, including pedigree construction, physical and neurological ...

☆ [Simpan](#)  [Kutip](#) [Artikel terkait](#) 

Menampilkan hasil terbaik untuk penelusuran ini. [Lihat semua hasil](#)

[Home \(https://ejournal2.undip.ac.id/index.php/jbtr/index/\)](https://ejournal2.undip.ac.id/index.php/jbtr/index/) / [About the Journal \(https://ejournal2.undip.ac.id/index.php/jbtr/about/\)](https://ejournal2.undip.ac.id/index.php/jbtr/about/) / [Editorial Team \(https://ejournal2.undip.ac.id/index.php/jbtr/about/editorialTeam/\)](https://ejournal2.undip.ac.id/index.php/jbtr/about/editorialTeam/)

Editorial Team

People > [Editorial Team \(https://ejournal2.undip.ac.id/index.php/jbtr/about/editorialTeam/\)](https://ejournal2.undip.ac.id/index.php/jbtr/about/editorialTeam/) | [Peer-Reviewers Acknowledgment \(https://ejournal2.undip.ac.id/index.php/jbtr/about/displayMembership/407/0\)](https://ejournal2.undip.ac.id/index.php/jbtr/about/displayMembership/407/0)

Editor in Chief



Prof. Sultana MH Faradz MD, PhD (ScopusID: [7801628341 \(http://www.scopus.com/authid/detail.uri?authorId=7801628341\)](http://www.scopus.com/authid/detail.uri?authorId=7801628341))
[id \(https://orcid.org/0000-0001-6531-632X\)](https://orcid.org/0000-0001-6531-632X) Diponegoro University, Indonesia

Associate Editor

Achmad Zulfa Juniarto (ScopusID: [35078661500 \(http://www.scopus.com/authid/detail.uri?authorId=35078661500\)](http://www.scopus.com/authid/detail.uri?authorId=35078661500))
Department of Medical Biology and Andrology, Faculty of Medicine Diponegoro University, Semarang, Indonesia

Tri Indah Winarni (ScopusID: [35792722800 \(http://www.scopus.com/authid/detail.uri?authorId=35792722800\)](http://www.scopus.com/authid/detail.uri?authorId=35792722800))
Division of Human Genetics, Center for Biomedical Research (CEBIOR), Faculty of Medicine Diponegoro University, Semarang, Indonesia

Muhammad Hussein Gasem (ScopusID: [6508371601 \(http://www.scopus.com/authid/detail.uri?authorId=6508371601\)](http://www.scopus.com/authid/detail.uri?authorId=6508371601))
Center for Tropical and Infectious Diseases (CENTRID), Faculty of Medicine, Diponegoro University – Dr. Kariadi Hospital, Semarang, Indonesia

Endang Sri Lestari (ScopusID: [11140851000 \(http://www.scopus.com/authid/detail.uri?authorId=11140851000\)](http://www.scopus.com/authid/detail.uri?authorId=11140851000))
Department of Microbiology, Faculty of Medicine Diponegoro University, Semarang, Indonesia

Regional Editor for Asia



Zarina Abdul Latiff (ScopusID: [8560416000 \(http://www.scopus.com/authid/detail.uri?authorId=8560416000\)](http://www.scopus.com/authid/detail.uri?authorId=8560416000))
UKM Medical Centre, Kuala Lumpur, Malaysia, Malaysia



Teguh Haryo Sasongko (ScopusID: [12786227400 \(http://www.scopus.com/authid/detail.uri?authorId=12786227400\)](http://www.scopus.com/authid/detail.uri?authorId=12786227400))
[id \(https://orcid.org/0000-0002-6226-6264\)](https://orcid.org/0000-0002-6226-6264) Perdana University Royal College of Surgeons in Ireland School of Medicine, Serdang, Malaysia, Malaysia



Sarina Sulong (ScopusID: [65061024980 \(http://www.scopus.com/authid/detail.uri?authorId=65061024980\)](http://www.scopus.com/authid/detail.uri?authorId=65061024980))
School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Malaysia, Indonesia



Khairul Bariah Binti Ahmad Amin Noordin (ScopusID: [56662044700 \(http://www.scopus.com/authid/detail.uri?authorId=56662044700\)](http://www.scopus.com/authid/detail.uri?authorId=56662044700))
Universiti Sains Malaysia, Kelantan, Malaysia, Malaysia



Raja Affendi Raja Ali (ScopusID: [40762153700 \(http://www.scopus.com/authid/detail.uri?authorId=40762153700\)](http://www.scopus.com/authid/detail.uri?authorId=40762153700))
Department of gastroenterology and hepatology, Faculty of Medicine, The National University of Malaysia, Kuala Lumpur, Malaysia, Malaysia



Muhamad Thohar Arifin (ScopusID: [57218910349 \(http://www.scopus.com/authid/detail.uri?authorId=57218910349\)](http://www.scopus.com/authid/detail.uri?authorId=57218910349))
Department of Neurosurgery, Faculty of Medicine, Diponegoro University, Semarang, Indonesia



Bahrudin Bahrudin, MD, PhD (ScopusID: [15062287700 \(http://www.scopus.com/authid/detail.uri?authorId=15062287700\)](http://www.scopus.com/authid/detail.uri?authorId=15062287700))
[id \(https://orcid.org/0000-0003-0545-2711\)](https://orcid.org/0000-0003-0545-2711) Diponegoro University, Indonesia



Prof. Budi Wiweko, MD, PhD (ScopusID: [43061741400 \(http://www.scopus.com/authid/detail.uri?authorId=43061741400\)](http://www.scopus.com/authid/detail.uri?authorId=43061741400))
[id \(https://orcid.org/0000-0002-5898-7034\)](https://orcid.org/0000-0002-5898-7034) Universitas Indonesia, Indonesia



Gunadi Gunadi, MD, PhD (ScopusID: [24337866800 \(http://www.scopus.com/authid/detail.uri?authorId=24337866800\)](http://www.scopus.com/authid/detail.uri?authorId=24337866800))
[id \(http://orcid.org/0000-0002-4707-6526\)](http://orcid.org/0000-0002-4707-6526) Universitas Gadjah Mada, Indonesia



Prof. Ichiro Hisatome, MD, PhD (ScopusID: [56264891600 \(http://www.scopus.com/authid/detail.uri?authorId=56264891600\)](http://www.scopus.com/authid/detail.uri?authorId=56264891600))
Tottori University, Tottori, Japan



Prof. Ign Riwanto, MD, PhD (ScopusID: [6507713480 \(http://www.scopus.com/authid/detail.uri?authorId=6507713480\)](http://www.scopus.com/authid/detail.uri?authorId=6507713480))
[id \(https://orcid.org/0000-0003-3441-3738\)](https://orcid.org/0000-0003-3441-3738) Diponegoro University, Indonesia



Prof. Noor Pramono, MD (ScopusID: [6505634753 \(http://www.scopus.com/authid/detail.uri?authorId=6505634753\)](http://www.scopus.com/authid/detail.uri?authorId=6505634753))
Departement of Obstetrics and Gynecology, Faculty of Medicine Univeristas Diponegoro, Indonesia



Prof. Sofia Mubarika Harjana, MD, PhD (ScopusID: [6507708439 \(http://www.scopus.com/authid/detail.uri?authorId=6507708439\)](http://www.scopus.com/authid/detail.uri?authorId=6507708439))
[id \(https://orcid.org/0000-0001-7205-652X\)](https://orcid.org/0000-0001-7205-652X) Universitas Gadjah Mada, Indonesia



Prof. Tri Nur Kristina, MD, PhD (ScopusID: [6504600970 \(http://www.scopus.com/authid/detail.uri?authorId=6504600970\)](http://www.scopus.com/authid/detail.uri?authorId=6504600970))
Diponegoro University, Indonesia



Prof. Zainal Muttaqin, MD, PhD (ScopusID: [6603217212 \(http://www.scopus.com/authid/detail.uri?authorId=6603217212\)](http://www.scopus.com/authid/detail.uri?authorId=6603217212))
[id \(https://orcid.org/0000-0002-9054-1809\)](https://orcid.org/0000-0002-9054-1809) Diponegoro University, Indonesia

User

Username

Password

☐ Remember me

Login

Acredited on Arjuna level 2 Sinta



ISSN



(<http://issn.pdii.lipi.go.id/issn.cgi?daftar&1457579402&1&&>)

ABSTRACTING & INDEXING



(<http://sinta.ristekbrin.go.id/journals/detail?id=258>)



(<https://scholar.google.co.id/citations?hl=en&user=08qb3cQAAAAJ>)



(https://app.dimensions.ai/discover/publication?or_facet_journal=jour.1285452)



MOU - DOCUMENTS

[MOU with INASHG](https://fk.undip.ac.id/jbtr-mou/jbtr-inashg.pdf)

(<https://fk.undip.ac.id/jbtr-mou/jbtr-inashg.pdf>)

[MOU with PAPDI](https://fk.undip.ac.id/jbtr-mou/jbtr-papdi.pdf)

(<https://fk.undip.ac.id/jbtr-mou/jbtr-papdi.pdf>)

Link to Download

[Copyright Transfer Form](/index.php/jbtr/pages/view/cta)

(</index.php/jbtr/pages/view/cta>)

[Original Research Article-Template](https://drive.google.com/file/d/1TymCmRPHRb37i1U5PmvlQRegm/view?usp=sharing)

(<https://drive.google.com/file/d/1TymCmRPHRb37i1U5PmvlQRegm/view?usp=sharing>)

[Case Reports-Template](https://drive.google.com/file/d/15-Atz703viP3qixM0kTP3Eb2Tn7QCvDY/view?usp=sharing)

(<https://drive.google.com/file/d/15-Atz703viP3qixM0kTP3Eb2Tn7QCvDY/view?usp=sharing>)

[Review Article-Template](https://drive.google.com/file/d/16kwoRDkQYnbNIusp=sharing)

(<https://drive.google.com/file/d/16kwoRDkQYnbNIusp=sharing>)

Regional Editor for Europe and US



Prof. Randi Jenssen Hagerman, MD, PhD (ScopusID: [7006679292](http://www.scopus.com/authid/detail.uri?authorId=7006679292) (<http://www.scopus.com/authid/detail.uri?authorId=7006679292>)).
[id](https://orcid.org/0000-0001-5029-844) (<https://orcid.org/0000-0001-5029-844>) UC Davis Medical Center, United States



Lucie Karayan Tapon (ScopusID: [55891355800](http://www.scopus.com/authid/detailLuri?authorId=55891355800) (<http://www.scopus.com/authid/detailLuri?authorId=55891355800>)).
Universite de Poitiers, Poitiers, France, France



Quirijn de Mast (ScopusID: [13610420200](http://www.scopus.com/authid/detailLuri?authorId=13610420200) (<http://www.scopus.com/authid/detailLuri?authorId=13610420200>)).
Radboud University Nijmegen Medical Centre, The Netherlands, Netherlands



Marion Girardot (ScopusID: [56416218600](http://www.scopus.com/authid/detailLuri?authorId=56416218600) (<http://www.scopus.com/authid/detailLuri?authorId=56416218600>)).
Universite de Poitiers, Poitiers, France, France



Prof. J.H.L.M. Van Bokhoven (ScopusID: [7005587499](http://www.scopus.com/authid/detailLuri?authorId=7005587499) (<http://www.scopus.com/authid/detailLuri?authorId=7005587499>)).
Donders Center of Medical Neurosciences, Radboud University, Nijmegen, Netherlands, Netherlands



Prof. Andre van der Ven, MD, PhD (ScopusID: [35448463700](http://www.scopus.com/authid/detailLuri?authorId=35448463700) (<http://www.scopus.com/authid/detailLuri?authorId=35448463700>)).
[id](https://orcid.org/0000-0003-1833-3391) (<https://orcid.org/0000-0003-1833-3391>) Radboud University Nijmegen Medical Centre, Netherlands



Prof. Ben C J Hamel (ScopusID: [26660768200](http://www.scopus.com/authid/detailLuri?authorId=26660768200) (<http://www.scopus.com/authid/detailLuri?authorId=26660768200>)).
[id](https://orcid.org/0000-0002-7318-4344) (<https://orcid.org/0000-0002-7318-4344>) Radboud university medical center, Nijmegen, Netherlands



Prof. Christine Imbert, PhD (ScopusID: [7005878270](http://www.scopus.com/authid/detailLuri?authorId=7005878270) (<http://www.scopus.com/authid/detailLuri?authorId=7005878270>)).
[id](https://orcid.org/0000-0002-4628-5000) (<https://orcid.org/0000-0002-4628-5000>) University of Poitiers, France



Gerard Pals, MD, PhD (ScopusID: [7004312183](http://www.scopus.com/authid/detailLuri?authorId=7004312183) (<http://www.scopus.com/authid/detailLuri?authorId=7004312183>)).
[id](https://orcid.org/0000-0003-4091-7115) (<https://orcid.org/0000-0003-4091-7115>) VU University Medical Center, Amsterdam, Netherlands



Prof. Gérard P Mauco, MD, PhD (ScopusID: [57213681972](http://www.scopus.com/authid/detailLuri?authorId=57213681972) (<http://www.scopus.com/authid/detailLuri?authorId=57213681972>)).
[id](https://orcid.org/0000-0003-2998-2397) (<https://orcid.org/0000-0003-2998-2397>) Universitaire de Poitiers, France, France

Prof. W. M.V Dolmans (ScopusID: [7004198237](http://www.scopus.com/authid/detailLuri?authorId=7004198237) (<http://www.scopus.com/authid/detailLuri?authorId=7004198237>)).
Nijmegen Institute for International Health (NIIH), Netherlands

[Short Communication-Template](#)
([/public/journals/3/se%20Reports-Template](#))
[Letters to the Editor](#)
([https://drive.google.com/file/d/1VY48gHRXk_nhy:usp=sharing](#))

Journal Content

Search

Search Scope

All

Search

- Browse
- [By Issue](#)
([https://ejournal2.undip.ac.id/index.php/jbtr/issue](#))
 - [By Author](#)
([https://ejournal2.undip.ac.id/index.php/jbtr/search](#))
 - [By Title](#)
([https://ejournal2.undip.ac.id/index.php/jbtr/search](#))
 - [Other Journals](#)
([https://ejournal2.undip.ac.id/index.php/index/sea](#))

Regional Editor for Australia



Prof. Andrew Sinclair, PhD (ScopusID: [7202756332](http://www.scopus.com/authid/detailLuri?authorId=7202756332) (<http://www.scopus.com/authid/detailLuri?authorId=7202756332>)).
Royal Children's Hospital, Melbourne, Melbourne, Australia, Australia



Dr. Katie Ayers (ScopusID: [35615294500](http://www.scopus.com/authid/detailLuri?authorId=35615294500) (<http://www.scopus.com/authid/detailLuri?authorId=35615294500>)).
[id](https://orcid.org/0000-0001-6810-7785) (<https://orcid.org/0000-0001-6810-7785>) Murdoch Children's Research Institute, Melbourne, Australia



Prof. Mulyoto Pangestu, PhD (ScopusID: [35488897500](http://www.scopus.com/authid/detailLuri?authorId=35488897500) (<http://www.scopus.com/authid/detailLuri?authorId=35488897500>)).
[id](http://orcid.org/0000-0001-5623-3995) (<http://orcid.org/0000-0001-5623-3995>) Monash University, Melbourne, Australia

Representative of The Indonesian Society of Human Genetic (InaSHG)



Gunadi Gunadi, MD, PhD (ScopusID: [24337866800](http://www.scopus.com/authid/detailLuri?authorId=24337866800) (<http://www.scopus.com/authid/detailLuri?authorId=24337866800>)).
[id](http://orcid.org/0000-0002-4707-6526) (<http://orcid.org/0000-0002-4707-6526>) Universitas Gadjah Mada, Indonesia



Prof. Sultana MH Faradz MD, PhD (ScopusID: [7801628341](http://www.scopus.com/authid/detailLuri?authorId=7801628341) (<http://www.scopus.com/authid/detailLuri?authorId=7801628341>)).
[id](https://orcid.org/0000-0001-6531-632X) (<https://orcid.org/0000-0001-6531-632X>) Diponegoro University, Indonesia

Representative of Perhimpunan Dokter Spesialis Penyakit Dalam Indonesia (PAPDI)



Hery Djagat Purnomo, MD, PhD (ScopusID: [57070018900](http://www.scopus.com/authid/detailLuri?authorId=57070018900) (<http://www.scopus.com/authid/detailLuri?authorId=57070018900>)).
Faculty of Medicine Diponegoro University Semarang, Indonesia

Muhammad Hussein Gasem (ScopusID: [6508371601](http://www.scopus.com/authid/detailLuri?authorId=6508371601) (<http://www.scopus.com/authid/detailLuri?authorId=6508371601>)).
Center for Tropical and Infectious Diseases (CENTRID), Faculty of Medicine, Diponegoro University – Dr. Kariadi Hospital, Semarang, Indonesia

Assistant Editor



Mahayu Dewi Ariani (ScopusID: [57188715418](http://www.scopus.com/authid/detailLuri?authorId=57188715418) (<http://www.scopus.com/authid/detailLuri?authorId=57188715418>)).
Faculty of Medicine Diponegoro University, Indonesia

Ferdy Kurniawan Cayami (ScopusID: [56600602800](http://www.scopus.com/authid/detailLuri?authorId=56600602800) (<http://www.scopus.com/authid/detailLuri?authorId=56600602800>)).
[id](http://orcid.org/0000-0001-7284-7487) (<http://orcid.org/0000-0001-7284-7487>) Department of Anatomy, Faculty of Medicine Diponegoro University, Semarang, Indonesia



Muflihatul Muniroh, MD, PhD (ScopusID: [56114674300](http://www.scopus.com/authid/detailLuri?authorId=56114674300) (<http://www.scopus.com/authid/detailLuri?authorId=56114674300>)).
[id](https://orcid.org/0000-0003-0020-6722) (<https://orcid.org/0000-0003-0020-6722>) Diponegoro University, Indonesia



Nani Maharani, MD, PhD (ScopusID: [55911787400](http://www.scopus.com/authid/detailLuri?authorId=55911787400) (<http://www.scopus.com/authid/detailLuri?authorId=55911787400>)).
Diponegoro University, Indonesia



Prof. Oedijani Santoso, MD, PhD (ScopusID: [57192888578](http://www.scopus.com/authid/detailLuri?authorId=57192888578) (<http://www.scopus.com/authid/detailLuri?authorId=57192888578>)).
Diponegoro University, Indonesia



Nurin Aisyiyah Listyasari, MD, PhD (ScopusID: [57196372175](http://www.scopus.com/authid/detail.uri?authorId=57196372175) (<http://www.scopus.com/authid/detail.uri?authorId=57196372175>))
 (<https://orcid.org/0000-0003-4996-0507>) Diponegoro University, Indonesia

Journal Manager

Ary Ardianto, MSi
Diponegoro University, Indonesia



Ardina Aprilani, BSc
Diponegoro University, Indonesia



JBTR by <https://ejournal2.undip.ac.id/index.php/jbtr> is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](https://creativecommons.org/licenses/by-sa/4.0/).

View statistics **00126434**

Copyright ©2022 [Universitas Diponegoro](#). Powered by [Public Knowledge Project OJS](#) and [Mason Publishing OJS theme](#).

[Home \(https://ejournal2.undip.ac.id/index.php/jbtr/index/\)](https://ejournal2.undip.ac.id/index.php/jbtr/index/) / [Archives \(https://ejournal2.undip.ac.id/index.php/jbtr/issue/archive/\)](https://ejournal2.undip.ac.id/index.php/jbtr/issue/archive/) / [Vol 8, No 1 \(2022\): April 2022 \(https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/924\)](#)

Vol 8, No 1 (2022): April 2022

DOI: <https://doi.org/10.14710/jbtr.v1i1> (<https://doi.org/10.14710/jbtr.v1i1>)

Table of Contents

Original Research Articles

Diagnostic accuracy of calf circumference for decreased muscle mass in older adults with sarcopenia

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/12115>)

Novi Diah Pusparini, Enny Probosari, Etisa Adi Murbawani, Siti Fatimah Muis, Febe Christianto

Citations 0

(<https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.12115?domain=https://ejournal2.undip.ac.id>)

| Language: **EN (#)** | DOI: [10.14710/jbtr.v1i1.12115](https://doi.org/10.14710/jbtr.v1i1.12115) (<https://doi.org/10.14710/jbtr.v1i1.12115>)

Received: 21 Aug 2022; Revised: 15 Mar 2022; Accepted: 27 Mar 2022; Available online: 28 Apr 2022; Published: 28 Apr 2022.

In Silico Analysis Prediction of B-Cell Epitope as a Vaccine Candidate for SARS-CoV-2 B.1.617.2 (Delta) Variant

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13113>)

Mauritz Nicolaas Wattimena, Wijanarka Wijanarka

Citations 0

(<https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13113?domain=https://ejournal2.undip.ac.id>)

| Language: **EN (#)** | DOI: [10.14710/jbtr.v1i1.13113](https://doi.org/10.14710/jbtr.v1i1.13113) (<https://doi.org/10.14710/jbtr.v1i1.13113>)

Received: 9 Dec 2021; Revised: 8 Mar 2022; Accepted: 8 Mar 2022; Available online: 28 Apr 2022; Published: 28 Apr 2022.

The Discontinuation Effect of Topical Prednisolone on Extracellular Matrix Trabecular Meshwork in Wistar Rat

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13440>)

Sekar Kumalasari, Liana Ekowati, Arief Wildan, Hermawan Istiadi, Arnita Novitasari Saubig, Fifi Luthfia Rahmi

Citations 0

(<https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13440?domain=https://ejournal2.undip.ac.id>)

| Language: **EN (#)** | DOI: [10.14710/jbtr.v1i1.13440](https://doi.org/10.14710/jbtr.v1i1.13440) (<https://doi.org/10.14710/jbtr.v1i1.13440>)

Received: 17 Jan 2022; Accepted: 27 Apr 2022; Available online: 28 Apr 2022; Published: 28 Apr 2022.

Diagnostic value of SARS-CoV-2 RDT-Ab with RT-PCR: Secondary data at Diponegoro National Hospital

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13759>)

Muhammad Thifan Satyagraha, Nani Maharani, Rebriarina Hapsari, Meita Hendrianingtyas

Citations 0

(<https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13759?domain=https://ejournal2.undip.ac.id>)

| Language: **EN (#)** | DOI: [10.14710/jbtr.v1i1.13759](https://doi.org/10.14710/jbtr.v1i1.13759) (<https://doi.org/10.14710/jbtr.v1i1.13759>)

Received: 4 Mar 2022; Accepted: 27 Apr 2022; Available online: 28 Apr 2022; Published: 28 Apr 2022.

General information (#issueInfo)

Published: 28-04-2022

Total Articles: 8
(including Editorial)

Total Authors: 37

Total authors' affiliations (3) (#issueAffiliations)

Issues list

- > [Vol 8, No 1 \(2022\): April 2022](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/924>)
- > [Vol 7, No 3 \(2021\): December 2021](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/874>)
- > [Vol 7, No 2 \(2021\): August 2021](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/844>)
- > [Vol 7, No 1 \(2021\): April 2021](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/814>)
- > [Vol 6, No 3 \(2020\): December 2020](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/784>)
- > [Vol 6, No 2 \(2020\): August 2020](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/754>)
- > [Vol 6, No 1 \(2020\): April 2020](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/724>)
- > [Vol 5, No 2 \(2019\): December 2019](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/694>)
- > [Vol 5, No 1 \(2019\): July 2019](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/664>)
- > [Complete issues](#) (<https://ejournal2.undip.ac.id/index.php/jbtr/issue/view/634>)

articles

[Hepatitis B and HIV
their co-infection
patients Visiting
clinics in Akure,](#)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13759>)

> [Hypertension as a Risk
Factor for Cardiovascular
Diseases](#)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13759>)

> [Focal areas of a high rate of
fragile X in Indonesia: a
long term follow up](#)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13759>)

> [Prevalence of Malaria
Parasites among Pregnant
Women and Children under
Five years in Ekiti State,
Southwest Nigeria.](#)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13759>)

> [Marfan Syndrome, A Review](#)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13759>)

 [More cited articles](#)

(<https://ejournal2.undip.ac.id/index.php/jbtr/statistics>)

The role of Zinc Intake in Serotonin and Cortisol Level in Patient with Depression

 **PDF**

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13808/7152>)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13808>)

26-31

 Tanjung Ayu Sumekar, Innawati Jusup, Natalia Dewi Wardani, Titis Hadiati, Mohammad Sulchan, Alifiati Fitrikasari

 Citations { 0

([https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13808?](https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13808?domain=https://ejournal2.undip.ac.id)
domain=<https://ejournal2.undip.ac.id>)

| Language: **EN (#)**| DOI: **10.14710/jbtr.v1i1.13808**

(<https://doi.org/10.14710/jbtr.v1i1.13808>)

 Received: 7 Mar 2022; Revised: 20 Mar 2022; Accepted: 25 Apr 2022; Available online: 17 Apr 2022; Published: 28 Apr 2022.

Case Reports

Dilemma of presymptomatic testing in children with history of late onset neurodegenerative spinocerebellar ataxia in Indonesia

 **PDF**

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13032/7153>)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13032>)

32-37

 Nydia Rena Benita Sihombing, Tri Indah Winarni, Maria Belladonna, **Annastasia Ediat**i, Sultana MH Faradz

 Citations { 0

([https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13032?](https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13032?domain=https://ejournal2.undip.ac.id)
domain=<https://ejournal2.undip.ac.id>)

| Language: **EN (#)**| DOI: **10.14710/jbtr.v1i1.13032**

(<https://doi.org/10.14710/jbtr.v1i1.13032>)

 Received: 3 Dec 2021; Revised: 23 Feb 2022; Accepted: 20 Mar 2022; Available online: 28 Apr 2022; Published: 28 Apr 2022.

Review Articles

The effect of fibre intervention on serum and faecal short-chain fatty acids in human with overweight or obesity: a systematic review of human intervention studies

 **PDF**

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/14095/7154>)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/14095>)

38-44

 Rinta Amalia, Etika R Noer, Muflihatul Muniroh, Diana N Afifah, Andri C Kumoro, Adriyan Pramono

 Citations { 0

([https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.14095?](https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.14095?domain=https://ejournal2.undip.ac.id)
domain=<https://ejournal2.undip.ac.id>)

| Language: **EN (#)**| DOI: **10.14710/jbtr.v1i1.14095**

(<https://doi.org/10.14710/jbtr.v1i1.14095>)

 Received: 21 Mar 2022; Revised: 26 Apr 2022; Accepted: 28 Apr 2022; Available online: 28 Apr 2022; Published: 28 Apr 2022.

Short Communication

Effect of Combination Songga-Wood-Stem (Strychnos ligustrina Blume) and Antimalaria-ACT on IL-10 Production of Malaria

 **PDF**

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13906/7155>)

(<https://ejournal2.undip.ac.id/index.php/jbtr/article/view/13906>)

45-47

 Kis - Djamiatun, Rahmi - Wirman, Noor - Wijayahadi

 Citations { 0

([https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13906?](https://badge.dimensions.ai/details/doi/10.14710/jbtr.v1i1.13906?domain=https://ejournal2.undip.ac.id)
domain=<https://ejournal2.undip.ac.id>)

| Language: **EN (#)**| DOI: **10.14710/jbtr.v1i1.13906**

(<https://doi.org/10.14710/jbtr.v1i1.13906>)

 Received: 21 Mar 2022; Accepted: 26 Apr 2022; Published: 28 Apr 2022.



JBTR by <https://ejournal2.undip.ac.id/index.php/jbtr> is licensed under a **Creative Commons Attribution-ShareAlike 4.0 International License**.

View statistics **00126438**

JOURNAL OF BIOMEDICINE AND TRANSLATIONAL RESEARCH

Available online at JBTR website: <https://jbtr.fk.undip.ac.id>

Copyright©2022 by Faculty of Medicine Universitas Diponegoro and Indonesian Society of Human Genetics

Original Research Article

The Discontinuation Effect of Topical Prednisolone on Extracellular Matrix Trabecular Meshwork in Wistar Rat

Sekar Kumalasari^{1,3}, Liana Ekowati^{1,3}, Arief Wildan^{1,3}, Hermawan Istiadi^{2,3}, Arnila Novitasari Saubig^{1,3}, Fifin Luthfia Rahmi^{1,3}

¹Department of Ophthalmology, Faculty of Medicine, Universitas Diponegoro, Indonesia

²Departement of Anatomical Pathology, Faculty of Medicine, Universitas Diponegoro, Indonesia

³Dr Kariadi General Hospital, Semarang

Article Info

History

Received: 17 Jan 2022

Accepted: 27 Apr 2022

Available: 28 Apr 2022

Abstract

Background: Intra ocular pressure (IOP) elevation is one of topical steroids' side effects. Corticosteroid will initiate matrix metalloproteinase cascade that leads to extra cellular matrix (ECM) of trabecular meshwork (TM) turnover (remodeling) and its accumulation in TM.

Objective: To analyse the reversibility of ECM TM in Wistar rat after discontinuation of topical prednisolone 1% at different period (14 days and 28 days).

Methods: This was an experimental study with posttest only control group design. Total samples of 28 rats were divided into 4 groups: Treatment groups 1 was treated with topical prednisolone for 28 days, and was terminated 14 days after discontinuation of the drug. Treatment groups 2 was treated topical prednisolone for 28 days and was terminated 28 days after discontinuation of the drug. Control 1 was treated with topical prednisolone for 28 days, and Control 2 was treated with topical saline for 28 days and terminated without period of discontinuation. Histopathological grading score was used to evaluate ECM TM deposition. Mann-Whitney test and Kruskal-Wallis test were used to analyze the data.

Result: Deposition of ECM in TM was not statistically different in treatment group 1 and treatment group 2 ($p>0.05$). Deposition of ECM in TM were statistically different between treatment group 2 and control group 1 ($p<0.05$). Comparative test showed $p<0.001$, which means that there was a change in the thickness of ECM after discontinuation of instillation.

Conclusion: ECM TM was thinner in the experimental animals with a longer duration of topical prednisolone discontinuation, which demonstrate that maintenance remodeling of ECM was happen.

Keywords: Prednisolone; extracellular matrix; trabecular meshwork

Permalink/ DOI: <https://doi.org/10.14710/jbtr.v8i1.13440>

INTRODUCTION

Glaucoma is one of the world's major causes of blindness (14%).¹ By 2020 the number of patients with glaucoma is expected to reach 37 million in Asia and 111.8 million worldwide.² Global prevalence of glaucoma is 0.5%-1.5% and increase by 2.5%-4.5% in the elderly.³ Prevalence of glaucoma in Asia is 3.54% and in Southeast Asia is 3.7%.⁴ Prevalence of glaucoma in Indonesia based on Riset Kesehatan Dasar 2007 is 2.53%.⁵

Topical corticosteroids are widely used to treat inflammations and have been found as a risk for intraocular hypertension and glaucoma.^{6,7}

JOURNAL OF BIOMEDICINE AND TRANSLATIONAL RESEARCH

Available online at JBTR website: <https://jbtr.fk.undip.ac.id>

Copyright©2022 by Faculty of Medicine Universitas Diponegoro and Indonesian Society of Human Genetics

Original Research Articles

In Silico Analysis Prediction of B-Cell Epitope as a Vaccine Candidate for SARS-CoV-2 B.1.617.2 (Delta) Variant

Mauritz Nicolaas Wattimena^{1*}, Wijanarka Wijanarka¹

¹Department of Biology, Faculty of Science and Mathematics, Universitas Diponegoro, Semarang, Indonesia

Article Info

History
Received: 09 Dec 2021
Accepted: 08 Mar 2022
Available: 28 Apr 2022

Abstract

Background: The COVID-19 pandemic by SARS-CoV-2 has caused many losses. One way to prevent the spread of this virus is to get vaccinated. However, the latest SARS-CoV-2 variants, including variant B.1.617.2 (Delta) are doubtful to be inhibited by existing vaccines because of mutations. Therefore, we need a new vaccine candidate that is effective against this SARS-CoV-2 variant. Through an immunoinformatics approach with various software and analysis websites, vaccine candidates can be predicted in a short time.

Objective: Identity, analyze, obtain, and confirm the selected B-cell epitope sequence that can be used as a vaccine candidate for the SARS-CoV-2 B.1.617.2 (Delta) variant.

Methods: This research was conducted by isolating the amino acid peptide sequence in the SARS-CoV-2 B.1.617.2 (Delta) variant protein spike from the Protein Data Bank which is suspected to be an immunogenic epitope and can be used as a vaccine candidate. A Series of tests were carried out such as antigenicity, toxicity, allergenicity, and BLAST® protein to ensure that this vaccine candidate is safe for later application into the human body. The next stage is a conservation analysis to see its potential by comparing it with the SARS-CoV-2 Delta (B.1.617.2) variant spike protein sequence in Indonesia. The study ended by mapping amino acid peptides to the SARS-CoV-2 Delta (B.1.617.2) variant spike protein using the Biovia Discovery Studio Visualizer v21.1.0.20298 2020 software to ensure that the selected sequences were epitope.

Results: From the five amino acid peptides that have been isolated, the FTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPPDDFT epitope sequence has good results than the others. It is probable an antigen, non-toxic, non-allergen, and non-homolog to the human body protein. Moreover, this peptide knew eligible to use as the vaccine candidate, either in Indonesia or overseas. This peptide also still promising enough to work against the SARS-CoV-2 B.1.1.529 (Omicron) variant.

Conclusion: Based on this in silico study, it was found that the FTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPPDDFT epitope sequence was the best to be used as a vaccine candidate of SARS-CoV-2 B.1.617.2 (Delta) variant.

Keywords: SARS-CoV-2 B.1.617.2 (Delta) variant; B-cell epitope; vaccine; in silico immunoinformatics.

Permalink/ DOI: <https://doi.org/10.14710/jbtr.v8i1.13113>

INTRODUCTION

The Corona Virus Disease-19 (COVID-19) pandemic has swept the world for the past one and a half years. This pandemic is caused by the Severe Acute Respiratory Syndrome Corona Virus-2 (SARS-CoV-2) virus which attacks the respiratory system acutely in sufferers. People infected with SARS-CoV-2 will show

signs such as fever, cough, dyspnea, muscle and chest pain, headache and throat, diarrhea, and other serious complications.^{1,2}

* Corresponding author:

E-mail: mauritznicolaas15@gmail.com
(Mauritz Nicolaas Wattimena)