

Source details

Bali Medical Journal	CiteScore 2021	0
Scopus coverage years: from 2020 to 2022	012	
Publisher: Sanglah General Hospital		
ISSN: 2089-1180 E-ISSN: 2302-2914	SJR 2021	0
Subject area: (Medicine: General Medicine)	0.109	
Source type: Journal		
	SNIP 2021	0
View all documents > Set document alert 🖾 Save to source list Source Homepage	0.139	0

Q

×

CiteScore CiteScore rank & trend Scopus content coverage

i Improved CiteScore methodology

CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. Learn more >

0.2

CiteScoreTracker 2022 ①

Last updated on 05 February, 2023 - Updated monthly

151 Citations to date

832 Documents to date

CiteScore 2021

0.1 = 441 Documents 2018 - 2021 442 Documents 2018 - 2021

Calculated on 05 May, 2022

CiteScore rank 2021 ①

Category Rank Percentile

Medicine

General Medicine

#791/826 4th

View CiteScore methodology > CiteScore FAQ > Add CiteScore to your site a

About Scopus

> What is Scopus Content coverage Scopus blog Scopus API Privacy matters

Language

日本語版を表示する **查看简体中文版本** 查看繁體中文版本 Просмотр версии на русском языке

Customer Service

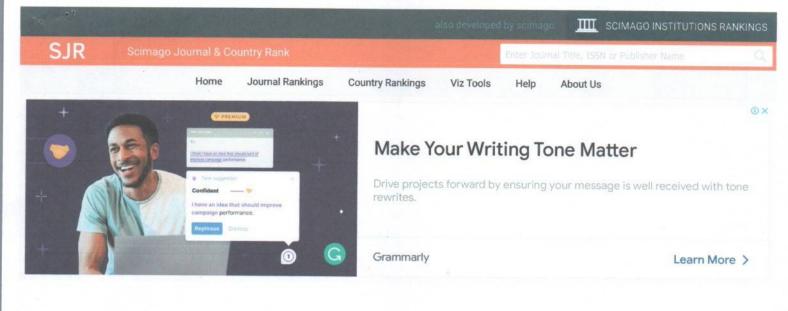
Help Tutorials Contact us

ELSEVIER

Terms and conditions A Privacy policy A

 $\label{eq:copyright} \textcircled{Copyright} \hline{Copyright} \textcircled{Copyright} \hline{Copyright} \hline Copyright \hline{Copyright} \hline{Copyright} \hline Copyright \hline{Copyright} \hline$

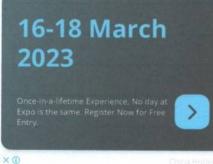
RELX



Bali Medical Journal 8

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
Indonesia	Medicine	Sanglah General Hospital	2
Universities and research institutions in Indonesia	Medicine (miscellaneous)		2
Media Ranking in Indonesia			
PUBLICATION TYPE	ISSN	COVERAGE	INFORMATION
Journals	20891180, 23022914	2020-2021	Homepage
			How to publish in this journal

srimaliawan@unud.ac.id



Bali Med. J. is open access, peer-reviewed journal aiming to communicate high-quality research articles, reviews, and general articles in the field. Bali Med. J. publish articles that encompass all aspects of basic research/clinical studies related to medical sciences. The Journal aims to bridge and integrate the intellectual, methodological, and substantive medical scholarship diversity and encourage a vigorous dialogue between medical scholars and practitioners.

 ${f Q}$ Join the conversation about this journal



, '

China Homelife Indonesia

16-18 March 2023

Jakarta International Expo

Contact Auto Parts Industry Leaders from China Autoparts Expo

Once-in-a-lifetime Experience, No day at Expo is the same. Register Now for Free Entry.

China Homelife

Sign Up >

(i) ×

Quartiles

9



.



(https://www.balimedicaljournal.org)

Open Access & Peer Reviewed Multidisciplinary Journal of Medical Sciences

arch

Advanced Search (/index.php/bmj/search/search)

Home (https://www.balimedicaljournal.org/index.php/bmj/index) > Archives (https://www.balimedicaljournal.org/index.php/bmj/issue/archive) > Vol. 11 No. 2 (2022): (Available online : 1 August 2022)

Vol. 11 No. 2 (2022): (Available online : 1 August 2022)

ORIGINAL ARTICLE

Endorphine massage decreases cortisol during menstruation (https://www.balimedicaljournal.org/index.php/bmj/article /view/3152)

Yurike Septianingrum, Nety Mawarda Hatmanti, Andikawati Fitriasari, Nur Ainiyah, Difran Nobel Bistara, Erika Martining Wardani

Online First: Aug 5, 2022 |

pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3152/2132)

ORIGINAL ARTICLE

Abstract

Quran recitation as noise-induced aggression and resilience in animal model of depression (https://www.balimedicaljournal.org /index.php/bmj/article/view/3432)

Hafid Algristian, Tri Wahyu Bintari, Iradatus Solihah, Andik Ferdiantoro, Fatmanagri Napstyawati, Retno Handajani

Online First: Aug 24, 2022 |

Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3432/2279)
ORIGINAL ART	TICLE
The effect of	boxing exergame on blood lactate and VO2max in non-athlete healthy young men
(https://www	/.balimedicaljournal.org/index.php/bmj/article/view/3566)
	den Ayu Meisy Andriana, Indrayuni Lukitra Wardhani, Yudith Dian Prawitri, Inggar Narasinta, Soenarnatalina Melaniani
Online First: A	ug 15, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3566/2154)
ORIGINAL ART	TICLE
Nurses' perce	eption of their readiness using technology information to face Omicron according to the technology acceptance
model (https	://www.balimedicaljournal.org/index.php/bmj/article/view/3262)
	s Tukayo, Paul Sirait, Syaifoel Hardy
Online First: Au	ig 3, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3262/2126)
ORIGINAL ARTI	ICLE
The effectiver	ness of using peek acuity in vision screening for the admission of elementary school students
	balimedicaljournal.org/index.php/bmj/article/view/3445)
Online First: Jul	31, 2022
Abstract	D pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3445/2113)
ORIGINAL ARTI	
Indonesia (htt	ransfusion reactions in patients with incompatible crossmatch at Sanglah General Hospital, Denpasar, Bali, tps://www.balimedicaljournal.org/index.php/bmj/article/view/3605)
Betti Bettavia H	artama Pardosi, Ni Kadek Mulyantari, Ida Ayu Putri Wirawati, Anak Agung Wiradewi Lestari, Ni Nyoman Mahartini
Online First: Ma	y 31, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3605/2110)
ORIGINAL ARTIC	
Nurse student	ccc s' satisfaction towards blended learning program (https://www.balimedicaljournal.org/index.php/bmj/article
view/3391)	
	Ketut Sukadarma, I Wayan Suastra, I Gusti Ngurah Pujawan, Putu Kerti Nitiasih, I Gede Yoga Permana
Online First: Aug	g 17, 2022

/view/3530)	Hydrochloride 5% Against Enterococcus faecalis (in vitro) (https://www.balimedicaljournal.org/index.php/bmj/article
Erma Sofiani, I	lovita Kartika Sari
Online First: A	ig 2, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3530/2116)
ORIGINAL ART	CLE ent education and knowledge about sinovac vaccine with immunization participation
https://www	balimedicaljournal.org/index.php/bmj/article/view/3153)
rika Martining	Wardani, Riezky Faisal Nugroho, Difran Nobel Bistara, Andikawati Fitriasari, Lono Wijayanti, Nur Ainiyah, Yurike Septianingrum
Online First: Au	g 5, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3153/2133)
ORIGINAL ART	CI F
linical chara	teristics of confirmed patients with COVID-19: A perspective from tropical region balimedicaljournal.org/index.php/bmj/article/view/3433)
)ifran Nobel Bi	stara, Nur Ainiyah, Farida Umamah, Yurike Septianingrum, Andikawati Fitriasari, Lono Wijayanti, Erika Martining Wardani, Susanti,
omingas Da S	lva S. Pereira
omingas Da S Online First: Au	lva S. Pereira
omingas Da S	lva S. Pereira
oomingas Da S Online First: Au ■Abstract	Iva S. Pereira g 24, 2022 pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197)
Omingas Da S Online First: Au Abstract	Iva S. Pereira g 24, 2022 Poff (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197)
Omingas Da S Online First: Au PAbstract ORIGINAL ARTI	Iva S. Pereira g 24, 2022 pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) CLE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568)
Omingas Da S Online First: Au PAbstract ORIGINAL ARTI	Iva S. Pereira g 24, 2022 Poff (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197)
Omingas Da S Online First: Au PAbstract ORIGINAL ARTI	Iva S. Pereira g 24, 2022 pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) CLE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) Novaqua Yandi, R. Maula Rifada, Andika Prahasta
Omingas Da S Online First: Au PAbstract ORIGINAL ARTI uccessful rat Isa Gustianty,	Iva S. Pereira g 24, 2022 pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) CLE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) Novaqua Yandi, R. Maula Rifada, Andika Prahasta
Omingas Da S Online First: Au Abstract ORIGINAL ARTI uccessful rat Isa Gustianty, Online First: Jul	Iva S. Pereira g 24, 2022 pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) CLE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) Novaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022
Online First: Au Abstract ORIGINAL ARTI uccessful rat Isa Gustianty, nline First: Jul	Iva S. Pereira g 24, 2022 pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) CLE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) Novaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022
omingas Da S Online First: Au ■Abstract ORIGINAL ARTI uccessful rat Isa Gustianty, nline First: Jul ■Abstract	Iva S. Pereira g 24, 2022 Pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) LE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) Iovaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022 Pd pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568/2101)
Omingas Da S Online First: Au Abstract ORIGINAL ARTI uccessful rat Isa Gustianty, Online First: Jul Abstract ORIGINAL ARTI eliefs and ac	Iva S. Pereira g24, 2022 [Pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) LE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) Iovaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022] Pd pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568/2101)
ORIGINAL ARTI UCCESSFUI rat Isa Gustianty, Online First: Jul Abstract ORIGINAL ARTI eliefs and ac nttps://www.	Iva S. Pereira g24, 2022 a pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3433/2197) LE e of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) kovaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022 a pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568/2101) LE te reptance of covid-19 vaccination among nursing students; a cross-sectional study
ORIGINAL ARTI UCCESSFUI rat Isa Gustianty, Online First: Jul Abstract ORIGINAL ARTI eliefs and ac nttps://www.	Va S. Pereira g24, 2022 Image: the pdf (https://www.ballmedicaljournal.org/index.php/bmj/article/view/3433/2197) LE a of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) kovaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022 LE a pdf (https://www.ballmedicaljournal.org/index.php/bmj/article/view/3568/2101) LE terptance of covid-19 vaccination among nursing students: a cross-sectional study alimedicaljournal.org/index.php/bmj/article/view/3448) nta Wahyusari
ORIGINAL ARTI UCCESSFUI rat Isa Gustianty, Inline First: Jul Abstract ORIGINAL ARTI CORIGINAL ARTI eliefs and ac ottps://www. izka Yunita, Sh	Va S. Pereira g24, 2022 Image: the pdf (https://www.ballmedicaljournal.org/index.php/bmj/article/view/3433/2197) LE a of glaucoma surgery in uveitis glaucoma (https://www.balimedicaljournal.org/index.php/bmj/article/view/3568) kovaqua Yandi, R. Maula Rifada, Andika Prahasta 19, 2022 LE a pdf (https://www.ballmedicaljournal.org/index.php/bmj/article/view/3568/2101) LE terptance of covid-19 vaccination among nursing students: a cross-sectional study alimedicaljournal.org/index.php/bmj/article/view/3448) nta Wahyusari

nups.//www	ics of patients with acute lymphoblastic leukemia in 2016-2020 at Sanglah General Hospital, Bali v.balimedicaljournal.org/index.php/bmj/article/view/3607)
Evelin Vianeth	a Prima Snak, Ni Nyoman Mahartini, Sianny Herawati, Ni Kadek Mulyantari, Anak Agung Wiradewi Lestari
Online First: Ji	il 31, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3607/2117)
ORIGINAL AR	
lisk-taking b	ehavior and biopsychosocial theory for predicting risky sexual behavior of adolescents in Islamic Boarding Schools .balimedicaljournal.org/index.php/bmj/article/view/3398)
ri Astutik And	layani, <mark>Margarita Maria Maramis, S</mark> ulistiawati, Reny l'tishom
nline First: A	ıg 30, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3398/2400)
ORIGINAL ART	ICLE
spergillus fl	Matrix Metalloproteinase-8 (MMP-8) and Tissue Inhibitors of Metalloproteinase-1 (TIMP-1) after cryotherapy in avus keratitis at Dr. Soetomo General Academic Hospital, Surabaya, Indonesia (https://www.balimedicaljournal.org mj/article/view/3462)
wina Rayungs	ista, Gatut Suhendro, Dyah Fauziah, Hari Basuki Notobroto, Ismi Zuhria
nline First: Au	g 6, 2022
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3462/2127)
ORIGINAL ART	
iew/3642)	iated with lymph node metastasis in endometrial cancer (https://www.balimedicaljournal.org/index.php/bmj/article
uku Mirza Isl	andar, Very Great Eka Putra, Ediwibowo Ambari, Endy Cahyono, Lubena g 12, 2022
Abstract	
Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3642/2146)
ORIGINAL ARTI	
ndex.php/br	y empowerment model instruments in finding tuberculosis (TB) suspects (https://www.balimedicaljournal.org nj/article/view/3116)
'isah Ro'isah,	Anies, Matius Sakundano, Nur Jazuli
nline First: Jul	4, 2022
ම් Abstract	pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3116/2086)

x

Abstract pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3409/2145) ORIGINAL ARTICLE Correlation between Polymorphisms Interleukin-1 Receptor Antagonist (IL-1RA) And Melasma Severity: A Study of Javanese Female Population in Yogyakarta (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481) Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono
Online First: Aug 8, 2022 Abstract pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3409/2145) ORIGINAL ARTICLE Correlation between Polymorphisms Interleukin-1 Receptor Antagonist (IL-1RA) And Melasma Severity: A Study of Javanese Female Population in Yogyakarta (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481) Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono Online First: Jul 11, 2022
ORIGINAL ARTICLE Correlation between Polymorphisms Interleukin-1 Receptor Antagonist (IL-1RA) And Melasma Severity: A Study of Javanese Female Population in Yogyakarta (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481) Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono Online First: Jul 11, 2022
Correlation between Polymorphisms Interleukin-1 Receptor Antagonist (IL-1RA) And Melasma Severity: A Study of Javanese Female Population in Yogyakarta (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481) Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono Online First: Jul 11, 2022
Correlation between Polymorphisms Interleukin-1 Receptor Antagonist (IL-1RA) And Melasma Severity: A Study of Javanese Female Population in Yogyakarta (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481) Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono Online First: Jul 11, 2022
Permale Population in Yogyakarta (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481) Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono Online First: Jul 11, 2022
Betty Ekawati Suryanigsih, Ahmad Hamim Sadewa, Yohanes Widodo Wirohadidjojo, Hardyanto Soebono Online First: Jul 11, 2022 Abstract Interpretation of the structure of the str
Abstract D pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3481/2096)
ORIGINAL ARTICLE
Factors associated with the length of hospital stay post an open appendectomy (https://www.balimedicaljournal.org/index.php /bmj/article/view/3654)
Muhammad Sayuti, Anna Millizia, Muthmainnah, Muhammad Syahriza
Online First: Aug 15, 2022
Abstract Df (https://www.balimedicaljournal.org/index.php/bmj/article/view/3654/2156)
ORIGINALARTICLE
The Immediate Effects of Porang-Processed Rice (Amorphophallus oncophyllus) on Blood Glucose Levels in Patients with Type 2 Diabetes Mellitus (https://www.balimedicaljournal.org/index.php/bmj/article/view/3135)
Gabriella Olivia Liawidjaya, Taufik Eko Nugroho, Sulistiyati Bayu Utami, Setyo Gundi Pramudo, Satrio Adi Wicaksono
Online First: Jul 8, 2022
Abstract pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/3135/2093)
ORIGINAL ARTICLE
The effectiveness of intravaginal fractionated CO2 laser therapy on premenopausal patients with stress urinary incontinence and urge incontinence (https://www.balimedicaljournal.org/index.php/bmj/article/view/4010)
ndra Adi Susianto, Perigrinus Hermin Sebong, Aprilia Karen Mendagai
Dnline First: Aug 30, 2022
Abstract pdf (https://www.balimedicaljournal.org/index.php/bmj/article/view/4010/2444)



(https://www.balimedicaljournal.org)

Open Access & Peer Reviewed Multidisciplinary Journal of Medical Sciences

Search

Impact factor 7.97, low cost

Impact factor 8.76 low cost

Best Literature review papers

Annual Cybersecurity Report

Kursus Online Web Developer

Cek Jadwal Dokter, Buat Janji

Strategic HR Management Course - NUS Business School

Undergraduate Courses in M'sia - M'sia Top Ranking Private Uni

Affiliated Journals - Social Sciences (ICOSS) 2023

Kupu Kupu Barong Villas Bali - Resort With The Most Awards

Biochemistry Research & Review - NAAS Indexed | CNKI Indexed

Sign Up For Free

RS Mahkota di Malaysia - Destinasi Wisata Medis

Build Better Relationships

Donghua University - Master Program in Engineering

Excellent Land investment - Land For Sale Uluwatu, Bali

Home (https://www.balimedicaljournal.org/index.php/bmj/index) > Editorial Board & Reviewer

Editor-in-Chief

Prof. Dr. Sri Maliawan, SpBS (http://www.baliroyalhospital.co.id/halaman_staff.php?ditail=229) (Scopus ID (https://www.scopus.com/authid/detail.uri?authorld=15738530400)), (Google scholar (https://scholar.google.co.id/citations?user=qVJ57aYAAAAJ&hl=id)) srimaliawan@unud.ac.id / maliawans@yahoo.com Department of Neuro Surgery, Udayana University Sanglah General Hospital Bali - Indonesia

Associate Editor

Prof. Putra Manuaba, M.Phil (http://profpuma.weebly.com/) (Scopus ID) (https://www.scopus.com/authid/detail.uri?authorld=8412278400), (Google Scholar (https://scholar.google.com/citations?user=jnmT14kPWNcC& hl=en)) putramanuaba@unud.ac.id / putramanuaba28@yahoo.com Biomedicine Postgraduate Program, Udayana University

Bali - Indonesia

Prof. Ketut Suwiyoga, SpOG (http://www.scopus.com/results/authorNamesList.url?sort=count-f&src=al&

sid=01CAC4E9A2FB056A0A90221C03EC65FE.FZg2ODcJC9ArCe8WOZPvA%3a360&sot=al&sdt=al&sl=34&s=AUTH-LAST-NAME%28EQUALS%28Suwiyoga%29%29& st1=Suwiyoga&orcidId=&selectionPageSearch=anl&reselectAuthor=false&activeFlag=false&showDocument=false&resultsPerPage=20&offset=1&jtp=false& currentPage=1&previousSelectionCount=0&tooManySelections=false&previousResultCount=0&authSubject=LFSC&authSubject=HLSC&authSubject=PHSC& authSubject=SOSC&exactAuthorSearch=true&showFullList=false&authorPreferredName=&origin=searchauthorfreelookup&affiliationId=& txGid=01CAC4E9A2FB056A0A90221C03EC65FE.FZg2ODcJC9ArCe8WOZPvA%3a36) (Scopus ID (https://www.scopus.com/authid/detail.uri?authorId=54080784800)) suwiyoga@unud.ac.id

Faculty of Medicine, Udayana University, Sanglah Hospital Denpasar, Bali-Indonesia

Editorial Board for Regional America

Ankit Sakhuja, M.B.B.S., F.A.C.P., F.A.S.N. (http://www.med.umich.edu/intmed/nephrology/STAFF/sakhuja_a1.htm) (Scopus ID (http://www.scopus.com/authid/detail.url?authorId=16744977200)) asakhuja@med.umich.edu Nephrology and Hypertension Cleveland Clinic (United States)

Editorial Board for Regional Australia

Professor John Svigos, AM MBBS; DRCOG; CBioEth; FRCOG; FRANZCOG (http://www.womenshealthspecialists.com.au/jsvigos.html) (Scopus ID) (https://www.scopus.com/authid/detail.uri?authorId=6603773825) john@svigos.com.au (mailto:john@svigos.com.au) Discipline of Obstetrics & Gynaecology Faculty of Health & Medical Sciences University of Adelaide, South Australia

dr Deasy Ayuningtyas Tandio MPH-MBA (http://orcid.org/0000-0001-7847-2831). (OrcidID) (https://orcid.org/0000-0001-7847-2831) deasytandio@yahoo.com James Cook University Australia Master of Public Health Master Of Business Administration, Indonesia

Editorial Board for Regional Europa

Prof. Harald Hoekstra

(Scopus ID) (https://www.scopus.com/authid/detail.uri?authorId=36038081900) jsvigos@iprimus.com.au Universitair Medisch Centrum Groningen, Division of Surgical Oncology, Groningen the Netherland

Editorial Board for Regional Asia

Prof Huang Qin (http://accu.cqu.edu.cn/web/eallprof/559.jhtml) (Scopus ID) (https://www.scopus.com/authid/detail.uri?authorld=7409535321) qhuang@cqu.edu.cn Chairman Dept. of Neurosurgery, Guangdong 999 Hospital Guangzhou China

Assoc. Prof. Mohammad Amin Bahrami (Scopus ID) (https://www.scopus.com/authid/detail.uri?authorld=55524082200) aminbahrami1359@gmail.com Head of healthcare management department, Shahid Sadoughi University of Medical Sciences, Yazd,Iran

Dr. Tanveer Beg, PhD

(Scopus ID) (https://www.scopus.com/authid/detail.uri?authorId=6505772852) tbmirza@jazanu.edu.sa Assistant Professor, Department of Biology, Faculty of Science, Jazan University, Jazan, Saudi Arabia.

Editorial Board Members

Prof. Andi Asadul Islam

(Scopus ID) (https://www.scopus.com/authid/detail.uri?authorld=55504893500), (Google Scholar) (https://scholar.google.co.id/citations?user=vWs1RdMAAAAJ& hl=id&oi=sra) undee@med.unhas.ac.id Faculty of Medicine Hasanudin University, Makasar-Indonesia

Prof. Dr. dr. Abdul Hafid Bajamal, Sp.BS

(Scopus ID) (https://www.scopus.com/authid/detail.uri?authorld=57192378862) hfbajamal@gmail.com

Dr. dr. I Wayan Sudarsa, Sp.B(K) Onk, FINACS, FICS.

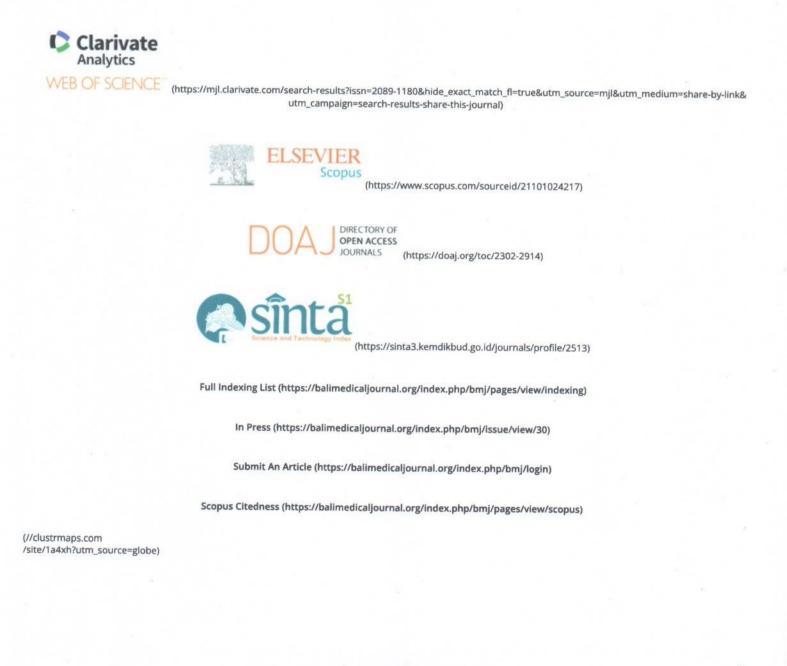
(Scopus ID (https://www.scopus.com/authid/detail.uri?authorld=57205145862)), (Google Scholar (https://scholar.google.co.id/citations?hl=id& user=SdInHKwAAAAJ)), (Researchgate (https://www.researchgate.net/scientific-contributions/2157636099_I_Wayan_Sudarsa))

dr. I.B. Amertha P. Manuaba, SKed, MBiomed. (https://scholar.google.co.id/citations?user=KzCQgA0AAAAJ&hl=en)

(Scopus ID) (https://www.scopus.com/authid/detail.uri?authorld=57195520004), (Google Scholar) (https://scholar.google.co.id/citations?user=KzCQgA0AAAAJ& hl=en), (ORCID) (http://orcid.org/0000-0001-6647-9497), (Researcher ID (http://www.researcherid.com/rid/P-9169-2016)) (Researchgate) (https://www.researchgate.net/profile/Amertha_Manuaba) AmerthaManuaba@gmail.com / Amertha_Manuaba@unud.ac.id Faculty of Medicine, Universitas Udavana, Indonesia

Editorial inquiries to be addressed to:

email 1: editorbalimedicaljournal@gmail.com (mailto:editor@balimedicaljournal.org) email 2: editor@balimedicaljournal.org (mailto:editor@balimedicaljournal.org)





(https://balimedicaljournal.org/index.php/bmj/)

Published by: (http://www.discoversys.ca/)

Bali Medical Journal, Bali-Indonesia	
62 (0369) 225206	
62 (0369) 225206	
administrator@balimedicaljournal.org (mailto:administrator@balimedicaljournal.org)	
Contact (/index.php/bmj/pages/view/contact)	
Journal Information (/index.php/bmj/pages/view/journalinfo)	
Editorial Board (/index.php/bmj/pages/view/editorialboard)	
Abstracting & Indexing (/index.php/bmj/pages/view/indexing)	
Privacy Statement (http://discoversys.ca/privacy.html)	
Home (/index.php/bmj/index)	
Last issue (/index.php/bmj/issue/current)	
Archive (/index.php/bmj/issue/archive)	
Author Guidelines (/index.php/bmj/pages/view/authorguidlines)	
Open-Access Licence (/index.php/bmj/pages/view/OAlicence)	

(http://creativecommons.org/licenses/by-nc-nd/4.0/) (http://www.crossref.org/citedby/index.html) (http://www.crossref.org/) open Access (http://discoversys.ca/privacy.html) No Fee (http://discoversys.ca/privacy.html) ROMEO (http://www.sherpa.ac.uk/romeo/pub/1931/) Occ (http://oclc.org/) wsc HTML 41 (http://jigsaw.w3.org/css-validator/validator) wsc css (http://the-acap.org/acap-enabled.php) (http://the-acap.org/acap-enabled.php)



Source details

Bali Medical Journal Scopus coverage years: from 2020 to 2022	CiteScore 2021 0.1	0
Publisher: Sanglah General Hospital ISSN: 2089-1180 E-ISSN: 2302-2914 Subject area: Medicine: General Medicine	5JR 2021 0.109	0
Source type: Journal		
View all documents > Set document alert Save to source list Source Homepage	SNIP 2021 0.139	0

CiteScore CiteScore rank & trend Scopus content coverage

Improved CiteScore methodology i CiteScore 2021 counts the citations received in 2018-2021 to articles, reviews, conference papers, book chapters and data papers published in 2018-2021, and divides this by the number of publications published in 2018-2021. Learn more >

CiteScore 2021 33 Citations 2018 - 2021 0.1

441 Documents 2018 - 2021 Calculated on 05 May, 2022

151 Citations to date 0.2 = 832 Documents to date

Last updated on 05 February, 2023 • Updated monthly

CiteScoreTracker 2022 ①

CiteScore rank 2021 ①

Category Rank Percentile Medicine

#791/826 4th General Medicine

View CiteScore methodology > CiteScore FAQ > Add CiteScore to your site op

Q

×

About Scopus

6.4

What is Scopus Content coverage Scopus blog Scopus API Privacy matters

Language

日本語版を表示する **查看简体中文版本** 查看繁體中文版本 Просмотр версии на русском языке

Customer Service

Help Tutorials Contact us

ELSEVIER

Terms and conditions A Privacy policy A

Copyright © Elsevier B.V <a>> All rights reserved. Scopus® is a registered trademark of Elsevier B.V. We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies <a>>.

RELX

ORIGINAL ARTICLE

Bali Medical Journal (*Bali MedJ*) 2022, Volume 11, Number 2: 1041-1043 P-ISSN.2089-1180, E-ISSN: 2302-2914



Risk-taking behavior and biopsychosocial theory for predicting risky sexual behavior of adolescents in Islamic Boarding Schools



Sri Astutik Andayani¹, Margarita Maria Maramis^{2*}, Sulistiawati³, Reny l'tishom⁴

ABSTRACT

Background: Risky sexual behavior in adolescents occurs in several cities in Indonesia, including in students in Islamic boarding schools. The phenomenon of risky sexual behavior is found in adolescents in Islamic boarding schools. This study aimed to analyze the factors that influence risky sexual behavior on a biopsychosocial basis.

Method: This study used a cross-sectional observational analytical design, explaining the relationship between variables through hypothesis testing. The samples of this study were adolescents from Islamic Boarding Schools in Probolinggo. A total of 346 adolescents were selected by multistage random sampling. Data were analyzed by Structural Equation Modeling-Partial Least Square (SEM-PLS) test.

Results: The results showed that the independent variables contributed 43.8% to risky sexual behavior, and the model had a good fit. There is a significant relationship between biological maturation, self-perceptions, perception of social and spiritual, and perceptions of sexual on risky sexual behavior.

Conclusion: The results of this study revealed that the model of risky sexual behavior viewed from risk-taking behavior and biopsychosocial theory could be used as a theoretical basis for carrying out activities related to health-promotive and preventive actions for adolescents, which focus on individual, family and peer group factors.

Keywords: adolescents, risky sexual behavior, risk-taking behavior.

Cite This Article: Andayani, S.A., Maramis, M.M., Sulistiawati., I'tishom, R. 2022. Risk-taking behavior and biopsychosocial theory for predicting risky sexual behavior of adolescents in Islamic Boarding Schools. *Bali Medical Journal* 11(2): 1041-1043. DOI: 10.15562/bmj.v11i2.3398

transactional and interactionalwith each system having a direct and indirect influence on risky sexual behavior.³ Based on the analysis of the model, the approach used tends to be from a singular perspective or unidimensional in nature, while studies from multiple perspectives have not been widely carried out on the model. Furthermore, it also seems to have never been done in groups of adolescents in Islamic boarding schools, so researchers were interested in conducting further research to develop this model to explain risky sexual behavior in adolescents in Islamic boarding schools who have different characteristics compared to adolescents in general who are not in Islamic boarding schools. This study aimed to examine a biopsychosocialbased risky sexual behavior model that shows the relationship

between biological maturation, selfperceptions, perceptions of social environment, and perceptions of spiritual and sexual perceptions of risky sexual behavior.

METHOD

Research Design and Sampling

This study used a cross-sectional observational analytical design, explaining the relationship between variables through hypothesis testing. The samples of this study were adolescents from Islamic Boarding Schools in Probolinggo. A total of 346 adolescents were selected by multistage random sampling. The Inclusion criteria were all students of Class X, XI, and XII aged 16-19 years, unmarried and willing to be involved as subjects in this study, as evidenced by the filling of informed consent. Exclusion criteria were adolescents who had physical limitations in the form of sensory

¹Doctoral Program of Medical Science, Faculty of Medicine, Universitas Airlangga, Surabaya, East Java, Indonesia;

²Department of Psychiatry, Faculty of Medicine, Universitas Airlangga, Surabaya, East Java, Indonesia; ³Department of Public Health and Preventive Medicine, Faculty of Medicine, Universitas Airlangga, Surabaya, East Java, Indonesia;

⁴Department of Medical Biomedical Science, Faculty of Medicine, Universitas Airlangga, Surabaya, East Java, Indonesia;

*Corresponding author: Margaritas Maria Maramis; Department of Psychiatry, Faculty of Medicine, Universitas Airlangga, Surabaya, East Java, Indonesia; margarit@fk.unair.ac.id

Received: 2022-06-10 Accepted: 2022-08-02 Published: 2022-08-30

INTRODUCTION

Risky sexual behavior in adolescents occurs in several cities in Indonesia, including in students in Islamic boarding schools. An Islamic boarding school in Makassar showed that 45.6% of their students had had risky sexual behavior.1 Risky sexual behavior will increase the chance for someone who does it to be exposed to or transmit sexually transmitted diseases (HIV/AIDS, gonorrhea, syphilis and genital herpes) and pregnancy. Based on a needs assessment report regarding Adolescent Sexual and Reproductive Health showed that 80.7% of students both in Islamic boarding schools and schools with Islamic backgrounds outside the Islamic boarding school (Madrasah Aliyah) had had various sexual activities.²

A number of studies that analyze from a multisystemic perspective using ecological theory showed that the relationship between systems is disorders and adolescents who were absent or sick at the time of the study. Selected adolescent respondents were then given an explanation of the study conducted. For those who were willing to take part in the study, researchers then proceeded to meet their parents/guardians to give an explanation of the study and give informed consent. Informed consent was given to adolescent respondents after parents/ guardians consented to their children to take part in the study. This research has received ethical clearance approval number NJ.T06/LP3M/SK/005/01/2021. This research was conducted in 2021. Research instruments used by researchers consisted of biological maturation, selfperceptions, perceptions of social, and perceptions of spiritual and perceptual factors that influence adolescent sexual behavior. The instruments used have been tested for validity and reliability with a product-moment correlation coefficient of 0.3 and a Cronbach alpha value of 0.920. This research uses PLS-SEM with the software used is SmartPLS3.

Data analysis

The data analysis technique used in this study was the inferential technique which was used to test the empirical model and the hypotheses proposed by researchers. Inferential analysis was done using Structural Equation Modeling (SEM) based on variance called Partial Least Square (PLS). Structural Partial least Square is an alternative approach that shifts from covariance-based SEM to variancebased SEM. PLS is intended for causal predictive analysis in situations of high complexity and low theoretical support. The use of PLS in this study was to help researchers to get the value of latent variables for prediction purposes. The steps taken in PLS include designing a measurement model (outer model), designing a structural model (inner model), constructing a path diagram, converting a path diagram to a system of equations, estimating path coefficients, loading and weights, evaluating the goodness of fit and testing hypotheses.

RESULTS

The average age of adolescent respondents in this study was 16 years (age range of 16-19 years), 135 or 39% of respondents have lived in Islamic boarding schools for 3 years, and 200 or 58% of respondents were from senior high school institutions (Table 1). Figure 1 shows that almost 43.8% (R Square) of the variation of risky sexual behavior is explained by biological maturation, self-perceptions, perceptions of social environment, and perceptions of spiritual and perceptual factors. There is a significant relationship between biological maturations (r = 0.187), self-perceptions (r = 0.175), perceptions of social (r = 0.175)0.208), perceptions of spiritual (r = (0.252) and perceptual (r = (0.163)) factors with risky sexual behavior. All variables produced Predictive Relevance (Q²) values greater than 0 (zero), which indicates that the model is said to be good enough.

DISCUSSION

This study is the first study to discuss adolescents' sexual behavior in Islamic boarding schools using a risk-taking behavior theory and biopsychosocial approach. The results of this study reveal that biological maturations, selfperceptions, perceptions of social, and perceptions of spiritual and perceptual factors are empirically proven to be able to map the multidimensional behavior of adolescent risky sexual behavior.

Biological maturations, either directly or indirectly, significantly influence risky sexual behavior. The results of this study are in line with a previous study by Downing, which showed that biological factors play a role in risky sexual behavior.⁴ Puberty which is characterized by biological changes such as increased levels of sex hormones, plays a role in brain development and in adolescent risktaking. Sex hormones contribute to the reorganization of dopaminergic neurons in the motivational system, which can then lead to increased risk-taking and sensation-seeking self-perceptions in this study indicate that there is an influence on risky sex.5-9 The study conducted by Reuben et al. proved that self-efficacy is a psychological factor that greatly influences the emergence of risky sexual behavior.¹⁰ Another indicator of psychological factors, namely self-esteem, from several studies results-shows that there is a relationship between self-esteem and risky sexual

Table 1.	Characteristics of resp	oondents' demographic data.
----------	-------------------------	-----------------------------

No	Characteristics	Indicator	Frequency		
NO			Σ	%	
	Age	16 years old	103	30	
		17 years old	93	27	
1.		18 years old	102	29	
		19 years old	48	14	
		1 year	24	7	
		2 years	104	30	
2	Length of stay in Islamic boarding	3 years	135	39	
2.	school	4 years	45	13	
		5 years	26	8	
		6 years	12	3	
	School Origin	SMA (Senior High School)	200	58	
2		SMK (Vocational High School)	32	9	
3.		MAN (State Madrasah Aliyah)	101	29	
		MA (Madrasah Aliyah)	13	4	

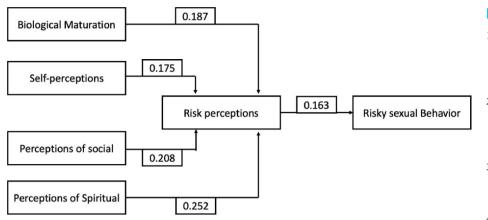


Figure 1. Relationship between biological maturation, self-perceptions, perception of social environment and spiritual, perceptions sexual and risky sexual behavior using structural equation modeling.

behavior. This statement is supported by Kathleen *et al.*, who said that adolescents who have low self-esteem reported starting sex earlier and having a risky partner.¹¹

The perceptions of social and spiritual in this study also indicate that there is an influence on risky sexual behavior. This is in line with the study conducted by Masni and Settheekul et al., which showed that parent-adolescent communication, parental monitoring, perceived peer norms and types of school are significant predictors of adolescent sexual behavior; this study shows that spiritual factors are the most influential factors on risky sexual behavior. The study conducted by Fajar regarding the relationship of religiosity with adolescent sexual behavior showed that adolescents with high religiosity had fewer risk factors for sexual behavior than adolescents with low religiosity.12 This is relevant to the function of religion as an educational function, transformative peace function, function, creative function, savior function, sense fostering solidarity function, social control function and sublimation function.

Limitations in this study the possibility of confounding factors that can not be controlled by the researcher is the honesty of respondents in answering questions. This study is still limited to only female adolescents. Further research is expected to expand the target range not only to adolescent girls in order to obtain a model of adolescent risky sexual behavior in different settings of adolescent life.

CONCLUSION

This study reveals that a risk-taking behavior theory and a biopsychosocial approach can be used to predict risky sexual behavior and used as a theoretical basis for carrying out activities related to health-promotive and preventive actions for adolescents, which focus on individual, family and peer group factors.

ETHICAL CONSIDERATION

This research has received ethical clearance approval number NJ.T06/LP3M/SK/005/01/2021.

CONFLICT OF INTEREST

The authors declare that they have no competing interests.

FUNDING

The research leading to these results has received funding from the KEMENDIKBUD-RISTEK Republic of Indonesia.

AUTHOR'S CONTRIBUTION

Data gathering and idea owner of this study are by SAA, MMM, S, and RI; study design by SAA, MMM, S, and RI; data gathering by SAA and MMM; writing and submitting manuscript by SAA, MMM, S, and RI; and editing and approval of the final draft by SAA, MMM, S, and RI.

REFERENCES

- Masni M, Hamid S. 2018. Determinan perilaku seksual berisiko pada remaja Makassar (studi kasus santri Darul Arqam Gombara dan SMAN 6. Media Kesmas. 2018;14(1):68. https://doi. org/10.30597/mkmi.v14i1.3699
- Swararahima. Kespro dan seksualitas dalam tradisi pesantren (internet). Medscape. 2019 (cited 1 september 2019). Available from: https://swararahima.com/2018/08/03/kesprodan-seksualitas-dalam-tradisi-pesantren/
- Kotchick BA, Shaffer A, Forehand R, Miller KS. Adolescent sexual risk behavior: a multi-system perspective. Clin Psychol Rev. 2001;21(4):493-519. doi:10.1016/s0272-7358(99)00070-7.
- Downing J, Bellis MA. Early pubertal onset and its relationship with sexual risk-taking, substance use and anti social behaviour: a preliminary cross-sectional study. BMC Pub Health, 2009;9: 446. http://doi. org/10.1186/1471-2458-9-446.
- Irwin CE Jr, Millstein SG. Biopsychosocial correlates of risk-taking behaviors during adolescence. Can the physician intervene?. J Adolesc Health Care. 1986;7(6 Suppl):82S-96S..
- Shirtcliff EA, Dahl RE, Pollak SD. Pubertal development: correspondence between hormonal and physical development. Child Dev. 2009;80(2):327-337. doi:10.1111/j.1467-8624.2009.01263.x.
- Steinberg L. A Social Neuroscience Perspective on Adolescent Risk-Taking. Dev Rev. 2008;28(1):78-106. doi:10.1016/j. dr.2007.08.002.
- Dahl RE. Adolescent brain development: a period of vulnerabilities and opportunities. Keynote address. Ann N Y Acad Sci. 2004;1021:1-22. doi:10.1196/annals.1308.001.
- Sisk CL, Zehr JL. Pubertal hormones organize the adolescent brain and behavior. Front Neuroendocrinol. 2005;26(3-4):163-174. doi:10.1016/j.yfrne.2005.10.003.
- Reuben OS, Obayemi O, Oluwatosin D. Psychological predictors of premarital sexual relationship among in-school adolescents in a Western Nigerian city. Univ J of Pub. 2016;4(4):196-202. doi:10.13189/ ujph.2016.040405.
- Ethier KA, Kershaw TS, Lewis JB, Milan S, Niccolai LM, Ickovics JR. Self-esteem, emotional distress and sexual behavior among adolescent females: inter-relationships and temporal effects. J Adolesc Health. 2006;38(3):268-274. doi:10.1016/j.jadohealth.2004.12.010.
- 12. Fajar NA. Analisis biopsikososial dan spiritual pada perilaku seks bebas remaja muslim religius di palembang (Disertasi). Surabaya: Universitas Airlangga. 2015.



This work is licensed under a Creative Commons Attribution