





# http://mji.ui.ac.id

- ✓ Editorial
- ✓ Tetraether lipid liposomes
- ✓ Vimentin in endoxifen-induced MCF-7
- ✓ Helicobacter pylori in Saudi Arabia
- ✓ Tigecycline did not reduce MMP-9, edema and LOS
- ✓ Indonesian local fetal-weight standard
- ✓ Tranexamic acid in total knee arthroplasty
- ✓ Protruding ureterocele in a single collecting system
- ✓ Percutaneous tibial nerve stimulation for OAB
- ✓ Epigenetic as an update approach of infertility
- ✓ Helicobacter pylori infection in Indonesia

Published by the Faculty of Medicine Universitas Indonesia Official Scientific Journal of the Faculty of Medicine Universitas Indonesia in collaboration with

German-Indonesia Medical Association (DIGM)
Jl. Salemba Raya No. 6 Jakarta 10430
Telp/Fax +62-21-2302178





#### **Focus and Scope**

Medical Journal of Indonesia (abbr: Med J Indones) accepts manuscript in basic medical research, clinical research, community research, case report, review article, and brief communication. The journal publishes articles in health sciences (medicine; public health); biology and life sciences (biomedical sciences).

#### About

The Medical Journal of Indonesia was founded in 1992 as the Medical Journal of the University of Indonesia (abbr: Med J Univ Indon). It has been published quarterly consistently and continuously ever since, covering a wide range of medical subject and issues from every medical specialist aspect. In 1995 the name was changed to Medical Journal of Indonesia which reflected the widening of its coverage beyond. The mission of this journal is to provide biomedical scientists clinician researchers, public health researchers and other health care professional with the media to publish their research works.

#### **Peer Review Process**

The submitted manuscript is first reviewed by an editor. It will be evaluated in the office whether it is suitable with our focus and scope or has a major methodological flaw. Every submitted manuscript which pass this step will be checked by CrossCheck to identify any plagiarism before being reviewed by two reviewers. One of the reviewer is appointed from other institutions (national or international). This journal uses double-blind review, The manuscript will be sent to the reviewer anonymously. Reviewers' comment are also sent anonymously to corresponding author to take the necessary actions and responses. The decision of the revised manuscript will be then evaluated in editorial board meeting, the final decision of whom are sent to the corresponding author.

#### **Publication Frequency**

This journal is published quarterly.

#### **Open Access Policy**

This journal is an open access journal which provides immediate, worldwide, barrier-free access to the full text of all published articles without charge readers or their institutions for access. Readers have right to read, download, copy, distribute, print, search, or link to the full texts of all articles in Medical Journal of Indonesia.

#### Abstracting and Indexing

Academic Journals Database; CAB Abstracts; CiteFactor; China Knowledge Resources Integrated Database (CNKI); Directory of Open Access Journal (DOAJ); Directory of Research Journal Indexing (DRJI); Academic Search Complete - EBSCOhost; Electronic Journals Library; Emerging Sources Citation Index - Thomson Reuters; Global Health; Google Scholar; Hinari - WHO; Index Medicus for South East Asia Region (IMSEAR); Indonesian Scientific Journal Database (ISJD); Indonesian Publication Index (IPI); InnoSpace - SJIF Scientific Journal Impact Factor; JournalTOCs; New Jour; Open Access Articles; Proquest Health & Medical Complete; Scopus; Ulrichsweb Global Serial Directory; WorldCat.

#### **Advertising Policy**

Editorial materials will not be influenced by advertisement. Readers can critisize the advertisement by sending it to the office. Advertisement will appear in the print or online version depending on request. For all inquiries, contact the Medical Journal of Indonesia editorial office at Faculty of Medicine Universitas Indonesia, Jalan Salemba Raya 6, Jakarta Pusat 10430, Indonesia; telp/fax: +62-21-2302178; e-mail: mji@ui.ac.id.

#### **Copyright Notice**

Faculty of Medicine Universitas Indonesia as publisher reserves the right of first publication of all published material and licensed under a Creative Commons Attribution-NonCommercial 4.0 International License (http://creativecommons.org/licenses/by-nc/4.0/). All statements in articles are the responsibility of the authors.

#### **Subscription**

The printed issue should be subscribed for a full calender year. The price per volume (four issues) and surface postage included: international USD 160, for ASEAN countries USD 100, for Indonesia: institutional IDR 200,000, individual IDR 160,000, and student IDR 100,000.

#### **Editorial Board**

Editor-in-chief	<b>Nafrialdi</b> Indonesia	
Editor-in-chief Emeritus	Isnani A.S. Suryono Indonesia	
Deputy Editor-in-chief	Agus Rizal A.H. Hamid	
Editorial Board Members	Agnes Kurniawan	Laurentius A. Pramono
	Agus D. Susanto	Markus Meyer  Germany
	Aria Kekalih Indonesia	Melva Louisa Indonesia
	Bambang B. Siswanto	Nia Kurniati Indonesia
	David H. Garabrant USA	Pradana Soewondo
	Farrokh Habibzadeh <sub>Iran</sub>	Rianto Setiabudy Indonesia
	Grace Wangge Indonesia	Saleha Sungkar Indonesia
	Hak Hotta Japan	Sentot Santoso Germany
	Hans-Joachim Freisleben  Germany	Septelia I. Wanandi Indonesia
	Hans-Jürgen Mägert  Germany	Sri W.A. Jusman Indonesia
	Harrina E. Rahardjo Indonesia	Theddeus O.H. Prasetyono Indonesia
	Inge Sutanto Indonesia	Vivian Soetikno Indonesia
	Jeanne A. Pawitan Indonesia	Wilfred C.G Peh Singapore
	Knut Adermann Germany	Yuditiya Purwosunu Indonesia
Editorial Assistants	Felix F. Widjaja Indonesia	Devita A. Prabowo Indonesia
Business Manager	Jose R.L. Batubara Indonesia	
Language Editors	Hans-Joachim Freisleben Germany	Elysabeth Muliawan Indonesia
Secretary	Khadijah Buyoyok Indonesia	
Layout Editor	Yudi Tarmizi Indonesia	
Editorial office	Medical Journal of Indonesia Jl. Salemba Raya 6, Jakarta Pusat 10430, Indonesia Tlp/fax: +62-21-2302178 E-mail: mji@ui.ac.id	
Publisher	Faculty of Medicine Universitas Indonesia Jl. Salemba Raya 6, Jakarta Pusat 10430, Indonesia Tlp/fax: +62 21-3912477 E-mail: humas@fk.ui.ac.id	

Accredited (2013-2018) by the Directorate General of Higher Education of the Ministry of Education and Culture of the Republic of Indonesia (No:58/DIKTI/Kep/2013)

Published by the Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

Official Scientific Journal of the Faculty of Medicine, Universitas Indonesia in Collaboration with German-Indonesian Medical Association (DIGM)

pISSN 0853-1773 – eISSN 2252-8083

http://mji.ui.ac.id

#### **TABLE OF CONTENTS**

Volume 25, Number 4, December 2016, page 195-266, pISSN: 0853-1773 - eISSN: 2252-8083 **Editorial** Nafrialdi Medical Journal of Indonesia, under managerial transition 195 Basic Medical Research A. Oertl Stable archaeal tetraether lipid liposomes for photodynamic application: E. Antonopoulos transfer of carboxyfluorescein to cultured T84 tumor cells 196 S.U. Freisleben Archeal tetraether lipids form stable liposomes are suitable for the administration of H.I. Freisleben fluorescent dyes to gastrointestinal and urogenital tumor cells. Paramita Increased vimentin mRNA expression in MCF-7 breast cancer cell line M. Louisa after repeated endoxifen-treatment 207 Nafrialdi Repeated endoxifen exposure up to four weeks tend to induce EMT as characterized by the increased of vimentin mRNA expressions. Clinical Research Prevalence of *Helicobacter pylori* among patients with different M.S. Alhussaini gastrointestinal disorders in Saudi Arabia 214 The prevalence of the infection by *H. pylor*i in Saudi Arabia is high with a strong association between H. pylori and duodenal ulcer. M. Saekhu MMP-9, brain edema, and length of hospital stay of patients with spontaneous N. Ibrahim supratentorial intracerebral hemorrhage after hematoma evacuation along with the I.S. Timan 221 administration of tigecycline. A.S. Madjid Tigecycline increases the MMP-9 level in patients with spontaneous supratentorial Z. Muttagin hemorrhage. However it did not reduce brain edema and has no influence of the length T.A.S. Ronokusumo of hospital stay. S. Sastroasmoro H. Mahvuddin A.N.A. Fattah Indonesian local fetal-weight standard: a better predictive ability for K.N. Pratiwi low Apgar score of SGA neonates 228 S.A. Susilo Indonesian local fetal-weight standard has a better ability to predict low 1st and 5th J.S.N. Berguna minutes Apgar score of SGA neonates. R. Irwinda N. Wibowo **B.I. Santoso** J. Zhang The effects of intra-articular tranexamic acid given intraoperatively A.N. Triyudanto A.M.T. Lubis and intravenous tranexamic acid given preoperative to post surgical bleeding and transfusion rate post total knee arthroplasty 234 Intravenous and intra-articular tranexamic acid effectively decreased transfusion volume and drain production in patients undergoing total knee replacement.

# Case Report

R. Hariwibowo H.E. Rahardjo	Endoscopic incision of protruding right ureterocele in a single collecting system: a case report  We are reporting a protruding right ureterocele in a single collecting system treated with endoscopic incision of a ureterocele which was safe and yielded good result.	240
Review Article		
E. Wibisono H.E. Rahardjo	Management of overactive bladder review: the role of percutaneous tibial nerve stimulation  Percutaneous tibial nerve stimulation is a promising option in overactive bladder treatment as it offers the "refractory" patients a safe, effective and minimally invasive treatment	245
S.W. Lestari M.D. Rizki	<b>Epigenetic:</b> A new approach to etiology of infertility Epigenetic modifications are experiencing dynamic intensity during gametogenesis. Epigenetic alteration is associated with disturbances in spermatogenesis and oogenesis which might lead to infertility.	255
Brief Communica	ation	
A.F. Syam	<b>Current situation of</b> <i>Helicobacter pylori</i> <b>infection in Indonesia</b> Various studies about <i>H. pylori</i> infection in Indonesia have been conducted. However, there are still unclear questions that require further researches. Therefore, <i>H. pylori</i> center with adequate facilities is needed to be established in Indonesia.	263
Acknowledgment o	of Year 2016 Reviewers	i

*Front Page:* Epigenetic mechanism which consists of DNA methylation, histone modification, and chromatin remodelling, as written by Lestari and Rizki. that is published in this issue.

vii

Index of Medical Journal of Indonesia Volume 25, January-December 2016



# Contents

See the journal website for contents.

mji.ui.ac.id

Medical Journal of Indonesia

## **Index Medical Journal of Indonesia** Volume 25, January-December 2016

#### **Author index**

Abdelsalam K.E.A	. (3): 151-5	Kaelan C	(1): 44–50
Abdullah M		Kasim M	
Alhussaini M.S		Kiranadi B	
Alhussaini M.S	. ,	Kurniawati T	. ,
Aliah A		Kusmana D	
Anna ED	( )	Kusnadi A.R	
Antarianto R.D	( )	Kusuma I	
Antarianto R.D	` '	Lestari S.W	. ,
Antonopoulos E		Lim H	
As'ad S		Louisa M	
Ascobat P		Lubis A.M.T	
Bardosono S		Lubis M	
Bela B		Madjid A.S	
Berguna J.S.N		Madjid A.S	
Boediono A		Mahyuddin H	
Bundschu H	. ,	Mahyuddin H	
Busro P.W		Mansur I.G	
Caesario M	. ,	Mansyur M	` '
Candrasatria R.M	` '	Maryuni S.W	
Chandra D.N	. ,	Moegni F	
Christy K		Mujihartini N	
Dewi R		Mukti A.A.P	
Devona D.A		Muttagin Z	. ,
Dharmasetiawani N		Nafrialdi	
Djauzi S	. ,	Nafrialdi	. ,
Djusad S		Nafrialdi	
Ekawati M		Nembo L.F	. ,
Fakhri D		Nikmah U.A	
Fakhrizal E		Oertl A	
Fattah A.N.A		Paramita S	. ,
Firakania C		Paramita	
Freisleben H	. ,	Patellongi I.J	
Freisleben H	. ,	Pawitan J.A	. ,
Freisleben S.U		Pawitan J.A	. ,
Furgon M		Pramono S	
Gunanti	` '	Pratiwi K.N	
Hadi R.S	( )	Prijanti A.R	
Hakim S		Priyatini T	` '
Hariwibowo R		Purba J.S	
Hariyanto H	• •	Purba S	
Hasni D		Purwaka R.H	
Hestiantoro A			
	( )	Rahardjo H.E	
Hugo M.Z		Rahardjo H.E	
Ibrahim NIlvas E.I.I		Rahmat B	. ,
5		Rahyussalim A.J	
Indrawati L		Rizki M.D	
Irwinda R		Ronokusumo T.A.S	
Irwinda R		Ronokusumo T.A.S	
Junizaf	( )	Ruth M.A.M	
Jusman S.W.A		Sadikin M	
Jusman S.W.A		Sadikin M	
Jusman S.W.A		Sadikin M	
Jusuf A.A	. (3): 143-5U	Saekhu M	(4): 221-/

Saekhu M	(2): 69-75	Breast cancer	(2): 118-26
Santosa M	(1): 51-6	Breast cancer	(3): 156-62
Santoso A	(3): 182-9	Candida colonization	(3): 171-81
Santoso B.I	(3): 163-70	Carboxyfluorescein	(4): 196-206
Santoso B.I	(4): 228–33	Cardiac function tests	(3): 151-5
Sastroasmoro S	(2): 69–75	Cardiopulmonary bypass	(3): 182-9
Sastroasmoro S	(4): 221-7	CD31 <sup>+</sup> peripheral blood mononuclear cells	(1): 51-6
Shahab F	(2): 93-7	Cell proliferation	
Siregar K.B	(2): 118-26	Circulating endothelial progenitor cells	(1): 51-6
Siregar K.B	(3): 156-62	CKD-EPI	(1): 25-32
Siregar Y		CK-MB	
Situmeang R.F.V	(1): 44–50	Cockcroft-Gault	(1): 25-32
Soesanto A.M	(2): 76-84	Colloid	(1): 33-8
Soesanto A.M		Colorectal cancer cell line	
Stefanus R	(2): 112-7	Congenital heart disease	(3): 182-9
Suhadi B		CPS1	
Supriyatno B		Cryopreservation	
Surono I.S		Crystalloid	
Surya R		Current situation	
Susilo S.A		Cyclophosphamide	
Susiyanti M	• •	Cytomegalovirus	
Syam A.F		Cytotoxicity	
Syarifah S		Diastolic dysfunction	
Tampubolon O.E		Dietary fiber	. ,
Timan I.S		Doxorubicin-taxane	
Tiyantara M.S		Duodenal ulcer	. ,
Triyudanto A.N		Electrical stimulation	
Wahid S		EMT	
Wahjoepramono E.J		Endoscopic incision	
Wibhuti I.B.R		Endothelial junction protein	
Wibisono E		Endothelial regeneration	
Wibowo N		Endoxifen	
Wibowo P		Epigenetic alteration	
Widjaja F.F		Epigenetic modification	
Wiweko B	( )	EVLW	
Yahya C.Q		ex vivo	
Yolanda S		Exercise	
Yuniadi Y	* *	Female infertility	
Zhang J		Fetal growth	. ,
2110116 )	(1). 220 33	Gastric ulcer	
		GFAP	
Subject index		Glucose	1.1
<b>,</b>		GSTP1 polymorphism	. ,
A municata loggo	(2).126 42	H. pylori	
A. muricata leaves		Helicobacter pylori infection	
ABCB1 C3435T polymorphism		Hematology toxicity	
Acute heart failure  Aerobic exercise	. ,	HIF-1	
		Homocysteine	
Alphaiman's diagasa	. ,	hs-CRP	
Alzheimer's disease	• •	HSP27	
Amnestic mild cognitive impairment		Hypoxia	
Apgar		Нурохіа	
Aport		Immunodeficiency	. ,
APOE£4		in vitro	
Archaeacamas	( )	Inhospital mortality	
ArchaeosomesARDS		Insulin	
		Intra-articular	
Aristotle Basic Score	• •	Intracardiac thrombus	
Astrocytes reactivityAT-MSCs		Intravenous	
		Intraventricular hemorrhage	
Avidin	. ,	Irradiation	
Basal FSH Biotin		IVF	. ,
		Leptin serum	. ,
Blood transfusion	(4): 434-7	20p 311 001 4111 mmmmmmmmmmmmmmmmmmmmmmmmmmmm	(2).07 10

Liposomes	(4): 196-206	Prevalence	(-)
LOS	(4): 221-7	Protruding ureterocele	(4): 240-4
Lumbrokinase	(1): 62-6	Pulmonary hypertension	(2): 76-84
LVEF	(2): 98-103	Pulmonary vascular resistance	(2): 76-84
Male infertility	(4): 255-62	Purine <i>de novo</i> synthesis	(1): 19-24
Management	(1): 57-61	Q-wave myocardial infarction	(2): 98-103
MDRD	( )	Risk factor	(4): 263-6
Mesenchymal (CD271+) stem cells	(3): 129-35	Risk factor	(3): 163-70
Mitral stenosis		Satiety	(2): 85-92
MMP-9	(4): 221-7	Sepsis	(1): 33-8
Neonatal intensive care unit	(3): 171-81	Sepsis	(3): 182-9
Neutropenia	(3): 156-62	SICH	
Non-Q-wave myocardial infarction	(2): 98-103	Sickle cell trait	
NT-proBNP	(3): 151-5	Small-for-gestational-age	(4): 228-33
Nutritional status	(3): 182-9	SSIH	
Oocyte ratio	(1): 39-43	Standard	
Oral fibrinolytic agent	(1): 62-6	Synaptic plasticity	
Overactive bladder	(4): 245–54	T84 colon carcinoma cells	(4): 196–206
Oxidative stress	(3): 143-50	Tetraether lipid	
Papillitis	(3): 190-4	Thermoplasma	(4): 196–206
Pathological Q wave		Tigecycline	` '
PCR		Tigecycline	
Pediatric patient	• •	TNF-α	(2): 69–75
Percutaneous tibial nerve stimulation	(4): 245-54	Total drain	
Peripartum	(1): 57-61	Total knee replacement	(4): 234-9
Plasma amyloid beta	(1): 44–50	Tranexamic acid	( )
Population doubling time	(1): 10-8	Trehalose preincubation	(3): 129–35
Postoperative bleeding	(4): 234-9	Type 2 diabetes mellitus	
Postpartum stress urinary incontinence	(3): 163–70	Urea biosynthesis	(1): 3-9
Postpartum	(2): 93-7	UreA	(4): 214–20
Preeclampsia		Weight	. ,
Pregnancy-induced hypertension	(2): 104–11	Viability	
Prepartum	(2): 93–7	Vimentin	(4): 207-13
Prevalence	(4): 263-6	Visual analog scale	(2): 85–92

#### **Instructions for Authors**

#### Submission

The submitted manuscript should be addressed to Editor-in-chief of the Medical Journal of Indonesia. Manuscript must be submitted through online submission (http://mji.ui.ac.id/journal/index.php/mji/about/submissions) by registered users. You can easily register in the journal system. For further question contact us at: mji@ui.ac.id.

#### **General Principles**

As a basic requirement, all articles submitted to the Medical Journal of Indonesia must be original work, which has never been published previously and is submitted exclusively to the Medical Journal of Indonesia. They are written in the format of "Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals" (http://www.icmje.org/) updated August 2013 established by the International Committee of Medical Journal Editors (ICMJE). The Editorial Board reserves the right to edit all articles in aspects of style, format, and clarity. Authors may be required to revise their manuscripts for reasons of any aspect. Manuscripts with excessive errors in any aspect may be returned to authors for retyping or may be rejected. All manuscripts will be subjected to peer and editorial review.

We accept three types of articles: (1) original articles: basic medical research, clinical research, or community research; (2) case report; (3) review article; (4) brief communication (including preliminary reports).

Authors must also supply ICMJE conflicts of interest statement form (http://mji.ui.ac.id/journal/public/journals/1/coi\_disclosure.pdf), copy of ethical approval (when needed), and final checklist (http://mji.ui.ac.id/journal/public/journals/1/FinalChecklist.pdf) signed by all author(s).

Templates are available on http://mji.ui.ac.id/journal/public/journals/1/template1.dot for original articles and http://mji.ui.ac.id/journal/public/journals/1/template2.dot for case report.

#### **Study Ethics**

All submitted papers containing animal experiments and/or involving human subjects should have obtained approval from an independent ethics committee. The copy of approval should be provided to editorial office as mentined above.

#### **Publication Ethics**

This journal follows guidelines from Committee on Publication Ethics (COPE) in facing all aspects of publication ethics and, in particular, how to handle cases of research and publication misconduct.

#### Structure and Language

Articles will be published in US English, following American spelling. Articles in English that are linguistically inadequate may be rejected. Printed manuscripts should be written double-spaced in all parts of the manuscript with margin of 2.54 cm of all sides. Articles must be submitted in the following structural order: title page and

authorship, abstract, keywords, text, conflicts of interest, acknowledgments (if any), references, tables, figures, and legends (if any).

#### **Title Page and Authorship**

The title page should contain: title of the article (concise, no abbreviations, maximum 16 words); full names of authors (without academic title); author's affiliation [name(s) of department(s) and institution(s)]; disclaimers (if any); corresponding author's name, mailing address, telephone and fax numbers, and e-mail address of the author responsible for correspondence about the manuscript (E-mail address of the coressponding author will be published along with the article); source(s) of support in the form of grants, equipment. drugs, or all of these (if any); short running title [maximum 40] characters (letter and spaces)]; word counts [A word count for the text only (excluding abstract, acknowledgments, tables, figure legends, and references)]; number of figures and tables; and synopsis (should contain one or two sentences long with maximum 25 words describing the paper or its conclusion to be published in the table of contents of the Medical Journal of Indonesia).

Authorship of articles should be limited to those who have contributed sufficiently to take public responsibility for the contents. This includes (a) conception and design, or analysis and interpretation of data, or both; (b) drafting the article or revising it critically for important intellectual content; (c) final approval of the version to be published; (d) and agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

#### **Abstract and Keywords**

The abstract should be prepared in English and in Bahasa Indonesia with a structured abstract maximum 250 words for biomedical, clinical, and community research articles; and unstructured maximum 150 words for case report, brief communication, and review article. For non-Indonesian authors, abstract in Bahasa Indonesia will be translated by the editor. They should be concise and precise with enough information, highlighting the points and importance of the article which contains: One or two sentences of background, purpose of study; methods (basic procedures, study subject selection, observational, and analytical methods); main findings or results; and principal conclusion. **Keywords** are limited to 3 - 6 words or short phrases that will allow proper and convenient indexing.

#### **Text**

The **text** should be structured as **introduction**, **methods**, **results**, and **discussion** (IMRAD). Conclusion should be stated at last sentence in the discussion. Footnotes are not advisable; their contents should rather be incorporated into the text. Use only standard abbreviations; use of nonstandard abbreviations can be confusing to readers. Avoid abbreviations in the title of the manuscript. The spelled-out abbreviation followed by the abbreviation

in parenthesis should be used on first mention unless the abbreviation is a standard unit of measurement. If a sentence begins with a number, it should be spelled out. Cite in numerical order every reference, figure and table. Use Arabic numerals in superscript to cite references in Vancouver style.

#### **Statistical Methods**

All **statistical methods** used should be describe in detail in the methods section of the manuscript. Avoid relying solely on statistical hypothesis testing, such as p values, which fail to convey important information about effect size. Define statistical terms, abbreviations, and most symbols. Specify the computer software used.

#### **Conflicts of Interest**

Conflict of interest should declare the authors' conflicts of interest, sources of support for the work, and whether the authors had access to the study data. Each author should submit a separate form from ICMJE, given above and be sent to the office at submission. The description of conflict of interest in this from will be shown in this part.

#### Acknowledgments

Personal **acknowledgments** should be limited to appropriate professionals who contributed to the paper, including technical help and financial or material support, also general support by a department chair-person.

#### **Tables**

Tables and its title should be presented in separate sheets. Tables should be numbered in arabic numerals. captions should be brief, clearly indicating the purpose or content of each table. Provide a footnote to each table. identifying in alphabetical order all abbreviations used. Type or print each table with double-spacing on a separate sheet of paper. Number tables consecutively in the order of their first citation in the text and supply a brief title for each. Do not use internal horizontal or vertical lines. Give each column a short or an abbreviated heading. Explain all nonstandard abbreviations and explanatory matters in footnotes, and for explanatory matters use the following symbols, in sequence: \*, †, ‡, §, ||,  $\P$ , \*\*, ††, ‡‡, §§, |||||,  $\P$ , etc. Identify statistical measures of variations, such as standard deviation and standard error of the mean. Be sure that each table is cited in the text. If you use data from another published or unpublished source, obtain permission and acknowledge that source fully.

#### Figures

**Figures** should be either professionally drawn or photographed, and submitted in a format (JPEG or TIFF) in the following resolutions [gray-scale or color in RGB (red, green, blue mode) at least 300 dpi (dots per inch). For x-ray films, scans, and other diagnostic images, as well as pictures of pathology specimens or photomicrographs, send sharp, glossy, black-and-white or color photographic prints, usually 127 x 173 mm (5 x 7 inches). Write the word "top" on the back of each figure at the appropriate place. Figures should be made as self-explanatory as possible, titles and detailed explanations

belong in the legends-not on the figures themselves. Photomicrographs should have internal scale markers. Symbols, arrows, or letters used in photomicrographs should contrast with the background. Photographs of potentially identifiable people must be accompanied by written permission to use the photograph.

Figures should be numbered consecutively according to the order in which they have been cited in the text. If a figure has been published previously, acknowledge the original source and submit written permission from the copyright holder to reproduce the figure. Permission is required irrespective of authorship or publisher except for documents in the public domain. Color figures are allowed in special circumstances, provided that the author is willing to cover the cost of reproduction.

If the original size of the figures is too large, you can provide us lower quality figures on submission and good quality after the acceptance of the manuscript.

#### **Legends for Figures**

Type or print out **legends for figures** using double spacing, starting on a separate page, with Arabic numerals corresponding to the figures. When symbols, arrows, numbers, or letters are used to identify parts of the illustrations, identify and explain each one clearly in the legend. Explain the internal scale and identify the method of staining in photomicrographs.

#### **Units of Measurement**

For measurements use S.I. (System International) units. Measurements should be abbreviated (e.g. mm, kcal, etc.) in accordance to the Style Manual for Biological Sciences and using the metric system. Measurements of length, height, weight, and volume should be reported in appropriate scientific units. Temperatures should be in degrees Celsius. Blood pressures should be in millimeters of mercury (mmHg). Drug concentrations may be reported in either SI or mass units, but the alternative should be provided in parentheses where appropriate.

#### References

References is advisibly not to exceed 25 in number but not less than 10, and should in general be limited to the last decade. References must be numbered in the order in which they are mentioned in the text. Use the style of the examples below, which are based on the International Committee of Medical Journal Editors (ICMJE) Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals: Sample References (http://www. nlm.nih.gov/bsd/uniform requirements.html). The titles of journals should be abbreviated according to the style used for MEDLINE (www.ncbi.nlm.nih.gov/nlmcatalog/ journals). Avoid using abstracts as references. Information from manuscripts submitted but not yet accepted should be cited in the text as "unpublished observations" with written permission from the source. Papers accepted but not yet published may be included as references; designate the journal and add "Forthcoming". Avoid citing "personal communication" unless it provides essential information not available publically, name the person and date of communication, obtain written permission and confirmation of accuracy from the source of a personal communication. Authors is recommended to use reference management software, in writing the citations and references such as: Mendeley®, Zotero®, EndNote®, and Reference Manager®.

Here are some examples of the references:

#### 1. Standard journal article

Up to six authors, list all the authors.

 Halpern SD, Ubel PA, Caplan AL. Solid-organ transplantation in HIV-infected patients. N Engl J Med. 2002 Jul 25;347(4):284-7.

More than six authors, list the first six authors, followed by et al.

 Rose ME, Huerbin MB, Melick J, Marion DW, Palmer AM, Schiding JK, et al. Regulation of interstitial excitatory amino acid concentrations after cortical contusion injury. Brain Res. 2002;935(1-2):40-6.

Optional addition of a database's unique identifier for the citation: [Edited 12 May 2009]

- Halpern SD, Ubel PA, Caplan AL. Solid-organ transplantation in HIV-infected patients. N Engl J Med. 2002 Jul 25;347(4):284-7. PubMed PMID: 12140307.
- Forooghian F, Yeh S, Faia LJ, Nussenblatt RB. Uveitic foveal atrophy: clinical features and associations. Arch Ophthalmol. 2009 Feb;127(2):179-86. PubMed PMID: 19204236; PubMed Central PMCID: PMC2653214.

Optional addition of a clinical trial registration number: [Added 12 May 2009]

 Trachtenberg F, Maserejian NN, Soncini JA, Hayes C, Tavares M. Does fluoride in compomers prevent future caries in children? J Dent Res. 2009 Mar;88(3):276-9. PubMed PMID: 19329464. ClinicalTrials.gov registration number: NCT00065988.

As an option, if a journal carries continuous pagination throughout a volume (as many medical journals do) the month and issue number may be omitted.

 Halpern SD, Ubel PA, Caplan AL. Solid-organ transplantation in HIV-infected patients. N Engl J Med. 2002;347:284-7.

#### 2. Chapter in a book

Meltzer PS, Kallioniemi A, Trent JM. Chromosome alterations in human solid tumors. In: Vogelstein B, Kinzler KW, editors. The genetic basis of human cancer. New York: McGraw-Hill; 2002. p. 93-113.

#### 3. Homepage/Web site [Edited 12 May 2009]

Cancer-Pain.org [Internet]. New York: Association of Cancer Online Resources, Inc.; c2000-01 [updated 2002 May 16; cited 2002 Jul 9]. Available from: http://www.cancer-pain.org/.

#### **Copyright Licenses**

Authors who publish with Medical Journal of Indonesia agree to the following terms:

- Authors retain copyright and grant Medical Journal of Indonesia right of first publication with the work simultaneously licensed under a Creative Commons Attribution-NonCommercial License (http://creativecommons.org/licenses/by-nc/4.0/) that allows others to remix, adapt, build upon the work non-commercially with an acknowledgement of the work's authorship and initial publication in Medical Journal of Indonesia.
- Authors are permitted to copy and redistribute the journal's published version of the work non-commercially (e.g., post it to an institutional repository or publish it in a book), with an acknowledgement of its initial publication in Medical Journal of Indonesia.

#### **Publication Fee**

This journal only charges the article publication fee for all manuscript types, without any submission fee. The publication fee is US\$ 200 for foreign authors and IDR 2,000,000,- for Indonesian authors. For each printed page that contains colored figure, you will be asked to pay US\$ 50 (IDR 500,000,-) each printed page more.

When the accepted manuscript has been proofread by the authors, Medical Journal of Indonesia office will send the invoice to the corresponding author and they need to complete the payment process before being published.

To enhance the research in health programme, Medical Journal of Indonesia will cover the publication fee of authors from the countries that included in group A and group B countries of HINARI by WHO (www.who.int/hinari/eligibility/en/index.html).

Updated - February 2014

## Final Checklist & Submission Form

Title of article:

Тур	oe: Basic medical research		Communit	y research	Review	article
	Clinical research		Case repo	rt	Brief cor	mmunication
1.	Manuscript Preparation The author(s) affirm that the mat transferred elsewhere any rights to instructions for authors of Medical	the	article. The author	(s) have checke	ed the manuscript to	comply with the
2.	Informed Consent The author(s) haven't suggested nizable in any forms of description essential and indispensable as so and have clearly stated it.	n par	t, photograph or p	edigree. When	the photographs of	the patient were
3.	Human and Animal Right In case of experimenting on hum cordance with ethical standards of human experiment. If any doubts is ration, the author(s) would explain author(s) had followed the domest	of Hel s rais it. In	Isinki declaration, sed whether the res case of experimer	domestic and for search was proc nating on animals	oreign committees to seeded in accordances, the author(s) have	that preside over be with the decla- certified that the
4.	Permission Approvals The author(s) have received consother journals or books. A portion uted to other journals and under r	or er	ntire of the article h			•
5.	Copyright Notice The author(s) undersigned hereb first publication of all published m cial 4.0 International (http://creativ	ateria	al and licensed ur	der a Creative		
6.	Disclosure of Conflict of Inter- Author(s) of the journal have clarific sultant expenses, and intellectual	ed ev		•		•
Fu	ll Name:		Signature:	E-mail	:	Date:
		-				

