

ISSN-0976-0245 (Print) • ISSN-0976-5506 (Electronic)

Volume 10 / Number 10 / October 2019



# Indian Journal of Public Health Research & Development

An International Journal

## SCOPUS IJPHRD CITATION SCORE

Indian Journal of Public Health Research and Development  
Scopus coverage years: from 2010 to 2017 Publisher:  
R.K. Sharma, Institute of Medico-Legal Publications  
ISSN:0976-0245E-ISSN: 0976-5506 Subject area: Medicine:  
Public Health, Environmental and Occupational Health  
CiteScore 2015-0.02  
SJR 2015-0.105  
SNIP 2015-0.034



Website:

[www.ijphrd.com](http://www.ijphrd.com)

# Indian Journal of Public Health Research & Development

## EXECUTIVE EDITOR

**Prof Vidya Surwade**

Associate Professor, Dr Baba Saheb Ambedkar, Medical College & Hospital, Rohinee, Delhi

### INTERNATIONAL EDITORIAL ADVISORY BOARD

1. **Dr. Abdul Rashid Khan** B. Md Jagar Din, (*Associate Professor*)  
Department of Public Health Medicine, Penang Medical College, Penang, Malaysia
2. **Dr. V Kumar** (*Consulting Physician*)  
Mount View Hospital, Las Vegas, USA
3. **Basheer A. Al-Sum**,  
Botany and Microbiology Deptt, College of Science, King Saud University,  
Riyadh, Saudi Arabia
4. **Dr. Ch Vijay Kumar** (*Associate Professor*)  
Public Health and Community Medicine, University of Buraimi, Oman
5. **Dr. VMC Ramaswamy** (*Senior Lecturer*)  
Department of Pathology, International Medical University, Bukit Jalil, Kuala Lumpur
6. **Kartavya J. Vyas** (*Clinical Researcher*)  
Department of Deployment Health Research,  
Naval Health Research Center, San Diego, CA (USA)
7. **Prof. PK Pokharel** (*Community Medicine*)  
BP Koirala Institute of Health Sciences, Nepal

### NATIONAL SCIENTIFIC COMMITTEE

1. **Dr. Anju Ade** (*Associate Professor*)  
Navodaya Medical College, Raichur, Karnataka
2. **Dr. E. Venkata Rao** (*Associate Professor*) Community Medicine,  
Institute of Medical Sciences & SUM Hospital, Bhubaneswar, Orissa.
3. **Dr. Amit K. Singh** (*Associate Professor*) Community Medicine,  
VCSG Govt. Medical College, Srinagar – Garhwal, Uttarakhand
4. **Dr. R G Viveki** (*Professor & Head*) Community Medicine,  
Belgaum Institute of Medical Sciences, Belgaum, Karnataka
5. **Dr. Santosh Kumar Mulage** (*Assistant Professor*)  
Anatomy, Raichur Institute of Medical Sciences Raichur(RIMS), Karnataka
6. **Dr. Gouri Ku. Padhy** (*Associate Professor*) Community and Family  
Medicine, All India Institute of Medical Sciences, Raipur
7. **Dr. Ritu Goyal** (*Associate Professor*)  
Anaesthesia, Sarswathi Institute of Medical Sciences, Panchsheel Nagar
8. **Dr. Anand Kalaskar** (*Associate Professor*)  
Microbiology, Prathima Institute of Medical Sciences, AP
9. **Dr. Md. Amirul Hassan** (*Associate Professor*)  
Community Medicine, Government Medical College, Ambedkar Nagar, UP
10. **Dr. N. Girish** (*Associate Professor*) Microbiology, VIMS&RC, Bangalore
11. **Dr. BR Hungund** (*Associate Professor*) Pathology, JNMC, Belgaum.
12. **Dr. Sartaj Ahmad** (Assistant Professor),  
Medical Sociology, Department of Community Medicine, Swami Vivekananda Subharti  
University, Meerut, Uttar Pradesh, India
13. **Dr Sumeeta Soni** (Associate Professor)  
Microbiology Department, B.J. Medical College, Ahmedabad, Gujarat, India

### NATIONAL EDITORIAL ADVISORY BOARD

1. **Prof. Sushanta Kumar Mishra** (Community Medicine)  
GSL Medical College – Rajahmundry, Karnataka
2. **Prof. D.K. Srivastava** (*Medical Biochemistry*)  
Jamia Hamdard Medical College, New Delhi
3. **Prof. M Sriharibabu** (*General Medicine*) GSL Medical College, Rajahmundry,  
Andhra Pradesh
4. **Prof. Pankaj Datta** (*Principal & Prosthodontist*)  
Indraprastha Dental College, Ghaziabad

### NATIONAL EDITORIAL ADVISORY BOARD

5. **Prof. Samarendra Mahapatro** (*Pediatrician*)  
Hi-Tech Medical College, Bhubaneswar, Orissa
6. **Dr. Abhiruchi Galhotra** (*Additional Professor*) Community and Family  
Medicine, All India Institute of Medical Sciences, Raipur
7. **Prof. Deepti Pruthvi** (*Pathologist*) SS Institute of Medical Sciences &  
Research Center, Davangere, Karnataka
8. **Prof. G S Meena** (*Director Professor*)  
Maulana Azad Medical College, New Delhi
9. **Prof. Pradeep Khanna** (*Community Medicine*)  
Post Graduate Institute of Medical Sciences, Rohtak, Haryana
10. **Dr. Sunil Mehra** (*Paediatrician & Executive Director*)  
MAMTA Health Institute of Mother & Child, New Delhi
11. **Dr Shailendra Handu**, *Associate Professor*, Phrma, DM (Pharma, PGI  
Chandigarh)
12. **Dr. A.C. Dhariwal**: *Directorate* of National Vector Borne Disease  
Control Programme, Dte. DGHS, Ministry of Health Services, Govt. of  
India, Delhi

**Print-ISSN:** 0976-0245-**Electronic-ISSN:** 0976-5506, **Frequency:** Quarterly  
(Four issues per volume)

**Indian Journal of Public Health Research & Development** is a double blind peer reviewed international journal. It deals with all aspects of Public Health including Community Medicine, Public Health, Epidemiology, Occupational Health, Environmental Hazards, Clinical Research, and Public Health Laws and covers all medical specialties concerned with research and development for the masses. The journal strongly encourages reports of research carried out within Indian continent and South East Asia.

The journal has been assigned International Standards Serial Number (ISSN) and is indexed with Index Copernicus (Poland). It is also brought to notice that the journal is being covered by many international databases. The journal is covered by EBSCO (USA), Embase, EMCare & Scopus database. The journal is now part of DST, CSIR, and UGC consortia.

**Website : [www.ijphrd.com](http://www.ijphrd.com)**

©All right reserved. The views and opinions expressed are of the authors and not of the Indian Journal of Public Health Research & Development. The journal does not guarantee directly or indirectly the quality or efficacy of any product or service featured in the advertisement in the journal, which are purely commercial.

### Editor

**Dr. R.K. Sharma**  
Institute of Medico-legal Publications  
501, Manisha Building, 75-76, Nehru Place,  
New Delhi-110019

### Printed, published and owned by

**Dr. R.K. Sharma**  
Institute of Medico-legal Publications  
501, Manisha Building, 75-76, Nehru Place,  
New Delhi-110019

### Published at

**Institute of Medico-legal Publications**  
501, Manisha Building, 75-76, Nehru Place,  
New Delhi-110019



# Indian Journal of Public Health Research & Development

www.ijphrd.com

---



---

## Contents

---



---

Volume 10, Number 10

October 2019

1. Gross Motor Skills in Children with Autism Spectrum Disorder and Attention Deficit Hyperactive Disorder 1  
*A. Sheba Swarnarajam, Sheila Christopher*
2. The Evaluation of the Accuracy of a Completely Limiting Tooth Supported Stereolithographic Surgical Guide in Dental Implant Placement Using Superimposition Protocol of Pre-Operative and Post-Operative CBCT Data: A Clinical Study .....7  
*Ajitha Suresh Kumar, Sanjna Nayar*
3. An Audit to Pain Management of Lower Segmental Caesarean Section in a Tertiary Care Hospital ..... 13  
*Amrita Panda, Lingaraj Sahu, Bhaskar Thakur, Gunupuru Bharat*
4. Evaluation of Phytochemical Analysis and Antimicrobial Activity of Citrus Latifolia Peel Extract ..... 18  
*Arunava Das, M. Vasundraa, V. Vinotha, P.S. Sanofer, J. Bindhu*
5. Prevalence of Autoantibodies and the Clinical Spectrum of Disease in an Indian Patient Subpopulation with Lichen Planus .....24  
*Balkrishna Pralhadrao Nikam, Dhanraj D. Chavan, Nischhal Shrivastava, Namita Narkhede*
6. Patterns of Head Injury in Geriatric Eastern Indian Population in Computed Tomography: A Retrospective Study .....27  
*Bikramaditya Swain, Ranjan Kumar Sahoo, Manoj Kumar G*
7. Evaluation of Antimicrobial Properties of Orthodontic Adhesive Mixed with Silver Nanoparticles: An in Vitro Study .....32  
*Crystal Soans, Jenitta E.P., Murali P.S., Veena Shetty A., Ravi M.S., Krishna Nayak U.S.*
8. Evaluation of Carbapenem-Resistant Genes and Colistin Susceptibility in Gram Negative Organisms from Clinically Significant Samples.....39  
*Dhanyashree Rai, Pooja Rao, Sevitha Bhat, Udayalaxmi Jeppu*
9. Microfinance and its Contribution to Health Care Access: A Study of Self-Help Groups in Assam .....45  
*Dipti Baishya*
10. Correlation of Age, Sex, Waist Circumferences with Thyroid Disorders in Metabolic Syndrome Patients ...48  
*Gunjan Kumar Mandal, Suvarna Prasad, B.K. Agrawal*
11. Emotional Intelligence and its Correlation with Academic Performance of Dental Undergraduates.....53  
*Harsh Parmar, Pronob Sanyal, Dhirajkumar Mane, Ketki Kulkarni, Shailaja Patil*

144.	Chemo Preventive Efficacy of Aspirin in Colorectal Cancer: A Narrative Review Approach.....	719
	<i>Mohammed Abujamal, Mariam Abdalla, Hind Almodaimegh, Senthilvel Vasudevan</i>	
145.	Relationship between Income and Anxiety on Education, Health Access and the Poverty Level of Rural Communities in Sigi Regency, Central Sulawesi.....	724
	<i>Muhammad Ardi Munir, Muhammad Basir-Cyio, M. Sabir, Muhammad Nur Ali</i>	
146.	Screening of Nutritional Status Based on Mini Nutritional Assessment Short-Form (MNA-SF) among Elderly .....	730
	<i>Nuning Hartiana Widiastuti, Merryana Adriani, R. Bambang Wirjadmadi</i>	
147.	A Health Facility-Based Study on Utilization of Antenatal Care among Myanmar Migrant Women in Five Border Districts of Tak Province, Thailand .....	735
	<i>Nyunt Naing Thein, Wongsu Laohasiriwong, Aung Kay Tu, Thin Thin Soe</i>	
148.	The Influence of Ginger ( <i>Zingiber Officinale</i> Roscoe) to Protect Cholinesterase Enzyme Activities of Mice that Exposed to Pesticide.....	739
	<i>Rachmaniyah, Rusmiati, Bambang Soenarko</i>	
149.	Solicitude toward Complementary Therapy among Oncology Patients .....	743
	<i>Reham Samir Fatehallah, Hanan Ahmed Al Sebaee, Amel Saied Mahmoud</i>	
150.	The Relationship of Childbirth Preparation Based on Childbirth Preparation Card with Maternal Morbidity and Fetal Outcomes .....	749
	<i>Renny Aditya, Samuel L. Tobing, Zayed Norwanto</i>	
151.	Exploring Social Capital for Helping People with Severe Mental Disorders: A Preliminary Study .....	754
	<i>Retno Lestari, Ah Yusuf, Rachmat Hargono, Ahsan Ahsan, Soebagijono Soebagijono</i>	
152.	Knowledge of Nurses about Prevention of Patient Fall Risk in Inpatient Room of Private Hospital in Medan .....	759
	<i>Roymond H. Simamora, Nurmaini, Cholina Trisa Siregar</i>	
153.	Does Stunting Randomly Occurred in Indonesia: Spatial Analysis of Indonesia’s Basic Health Survey 2018 .....	764
	<i>Sipahutar, Tiopan, Eryando, Tris</i>	
154.	Probability of Characteristics, Abdominal Obesity, Diabetes Mellitus and Hypertension on Ischemic Stroke in Ngimbang Regional Public Hospital of Lamongan .....	769
	<i>Siti Rohmatul Laily, Santi Martini, Atik Choirul Hidajah</i>	
155.	Enhancing Family Medicine Practice in Developing Countries through a Holistic-Comprehensive Care Model: A Review .....	774
	<i>Stefanus Supriyanto, Ernawaty, Febri Endra Budi Setyawan, Retno Lestari</i>	
156.	Current Status and Awareness of Dental Trauma in B Region in Age of 20s.....	779
	<i>Sun-Mi Lee, Min-Ji Kim</i>	
157.	Relationship between Satisfaction with Nurse Work Performance in Health Services in Hospitals .....	785
	<i>Suprpto</i>	

# Enhancing Family Medicine Practice in Developing Countries through a Holistic-Comprehensive Care Model: A Review

Stefanus Supriyanto<sup>1</sup>, Ernawaty<sup>2</sup>, Febri Endra Budi Setyawan<sup>3</sup>, Retno Lestari<sup>4</sup>

<sup>1</sup>Professor, Department of Health Administration and Policy, Faculty of Public Health, Universitas Airlangga Surabaya, Jl Mulyorejo kampus C Unair Surabaya, Indonesia, <sup>2</sup>Department of Health Administration and Policy, Faculty of Public Health, Universitas Airlangga Surabaya, Jl Mulyorejo kampus C Unair Surabaya, Indonesia, <sup>3</sup>Doctoral Student, Faculty of Public Health, Universitas Airlangga Surabaya, Jl Mulyorejo Kampus C Unair Surabaya, Indonesia; Faculty of Medicine, University of Muhammadiyah Malang, Jl. Bendungan Sutami 188, <sup>4</sup>Doctoral Student, Faculty of Public Health, Universitas Airlangga Surabaya, Jl Mulyorejo Kampus C Unair Surabaya, Indonesia; Study Program of Nursing Science, Faculty of Medicine, University of Brawijaya, Jl. Veteran Malang

## Abstract

**Background:** The family medicine practice is a model for delivery of health care to the entire population, enhancing a patient focused and integrated primary health care systems. Unlike other medical specialties, family medicine practice includes biological, psychological, socio-spiritual, and all disease entities. Although considerable researches have been devoted to explain the concept of family medicine, rather less attention has been paid to its practice in developing countries. This study aims to review the empirical literature on a holistic-comprehensive care model implemented in family medicine practice particularly in developing countries.

**Method:** This study reviews alternative approaches to understand what “best practice” in family medicine is. The authors searched ‘family medicine practice’, or ‘family medicine’, ‘primary health care’ and ‘developing countries’ and ‘holistic’, and ‘comprehensive’ in address field from Google Scholars, Proquest and ScienceDirect dating from 2003 to 2019. Sixteen articles were included in the study out of 171 articles reviewed.

**Result:** A holistic-comprehensive care model consists of four primary concepts of care: clinical care, professional behavior in clinical practice, family medicine practice management and clinical practice facilities and equipment.

**Discussion and Conclusion:** The future studies of family medicine practice could focus on the promotion of a more sustainable delivery of healthcare. This study concludes by synthesizing concepts for a new family medicine practice, and suggests how a holistic-comprehensive model might contribute to thinking about the future of family medicine practice in developing countries.

**Keywords:** Family Medicine, Family Medicine Practice, Developing Countries, Holistic-Comprehensive Care Model, Review

## Introduction

The family medicine practice is a model for delivery of health care to the entire population, enhancing a patient focused and integrated primary health care systems. Unlike other medical specialties, family medicine practice includes biological, psychological, socio-spiritual, and all disease entities. Most primary health care in developing countries are provided by health care

---

### Corresponding Author:

**Stefanus Supriyanto**

Professor, Department of Health Administration and Policy, Faculty of Public Health, Universitas Airlangga Surabaya, Jl Mulyorejo kampus C Unair Surabaya, Indonesia

e-mail: stefanussupriyanto2018@gmail.com



team include doctors and nurses but still small number of qualified doctors who are willing to work in rural areas, not as much as in developed countries. While the variety of people concentrated in urban areas, family doctors and health facilities are heavily concentrated in big cities. Currently in Africa, there is about one family physician for every 50,000 people in the country. However, in rural areas, often interventions are conducted by nurses or other clinical support services rather than family physician. As we can see that health systems struggle to adequately prepare health professionals to practice more in rural areas. In the countries such as South Africa, Nigeria, Uganda, the Democratic Republic of the Congo, Sudan, Ghana, Tanzania, Kenya, Lesotho, and Botswana, and most recently in Somaliland, Ethiopia, Mali, and Malawi, currently they are preparing for family medicine training program to support the needs of family physician in rural areas. Other issue that also needs to be addressed is “preventive care” as the first priority for family medicine practice. As the number of patients with chronic conditions arise, providing preventive treatment, such as lifestyle modification and coping skills have been identified as factors that could reduce future complications. Family physician should overcome the challenges to understand the biological, psychological, social, spiritual and cultural dimensions of health and diseases. Family doctors provide more primary care services than any other medical specialty and it is considered as the best choice of doctors.<sup>1-3</sup>

A holistic-comprehensive approach was developed to provide promotive, preventive, curative and rehabilitative treatment. In holistic approach, family doctors should consider psychosocial aspects, culture, spiritual and beliefs. In addition, comprehensive care is a challenge for family doctors to provide a broad range of health services in and their appropriate provision types of patient needs. Through comprehensive care, patients receive a continuum of health services: promotion, prevention, treatment and rehabilitation within the collaboration with health insurance system.<sup>4-6</sup>

Although considerable researches have been devoted to explain the concept of family medicine, rather less attention has been paid to its practice in developing countries. Primary health care should consider ways to ensure that community receive their priority health needs which are more affordable, accessible and available.<sup>7</sup> This study aims to review the empirical literature on a holistic-comprehensive care model implemented in family medicine practice particularly in developing countries.

## Material and Method

This study reviews alternative approaches to understand what “best practice” in family medicine is. More specifically, the paper explores how a holistic-comprehensive care model contributes to a more sustainable health care and patients’ wellbeing. The authors searched ‘family medicine practice’, or ‘family medicine’, ‘primary health care’ and ‘developing countries’ and ‘holistic’, and ‘comprehensive’ in address field from Google Scholars, Proquest and ScienceDirect dating from 2003 to 2019. The inclusion criteria employed were: 1) Review articles included in this study come in the forms of research articles, editorials, comments, literature reviews in quantitative, qualitative or mixed-method research. The study results might include papers in which family medicine practice applied in other countries exploring holistic-comprehensive care; 2) Papers must be written in English. These review papers were manually screened out by authors with previous experience of family medicine practice. A total number of 16 articles were identified.

## Findings

A holistic-comprehensive model consists of four primary concepts of care based on four standards of family medicine practice: 1) clinical care (holistic care, comprehensive care); 2) professional behavior in clinical practice (doctor-patient relationship, partners in the healthcare team, working with colleagues, knowledge-skill development, community leader); 3) family medicine practice management (human resources, financial management, clinical practice management); and 4) clinical practice facilities and equipment (clinical practice facilities, clinical practice equipment, clinical support services).<sup>8</sup>

Holistic care considers patient as whole human being: physical, emotional, social and spiritual aspects.<sup>4-5</sup> In addition to treating all diseases, primary doctors provide alternative therapies using local resources which are integrated in the primary health services and delivered continuity of care.<sup>9-14</sup> In a comprehensive care, doctors must provide primary care to the entire population, all ages and sexes, promote health, prevent illness, do the early screening, treat diseases, perform medical-social rehabilitation and improve family social function.<sup>15-17</sup>

Several strategies to maintain family doctors’ professionalism through doctor-patient relationship: providing comprehensive health information, managing

effective and efficient length of consultation, delivering effective communication, and respecting rules and obligations between doctor-patient. A strong partnership in health care team has the potential to help support patients by improving professional relationship and teamwork clinic leadership. While working with colleagues, family doctors build their interprofessional relationships, relationship with other doctors and family doctors' association.<sup>18-21</sup>

To support a lifelong learning for family doctors when providing holistic and comprehensive care, it is important to engage them in a continuing medical education, participate in advancing medical education, and collaborate in research and scientific writing. Quality assurance programs are essential to maintain high quality of care by constantly measuring the effectiveness of the family doctors' organizations that provide it. As a community leader, doctors engage in social group association, participate in health and society program, as well as encourage communities in disaster program.<sup>22-30</sup> Properly implementing quality improvement of family medicine is a key to a well-functioning practice.

A multidisciplinary health care team comprises people with wide ranging-skills: family doctors, nurses, midwifery and clinical administrator. In addition, doctors have a responsibility to be in charge of clinical examination fees, and maximize the benefits for their patients regarding use of alternative resources from health-care systems. Managing a comprehensive clinical practice efficiently requires evaluation and planning of staff and occupational health and safety procedures. Further, clinical practice facilities and equipment must be prepared to the most up-to-date and standardized medical and non-medical equipment to ensure health care team is able to provide the highest standards of clinical and patient care.<sup>31-32</sup> Family doctors have a professional and legal duty to respect patient's privacy and confidentiality with regards to their medical information, and manage the records appropriately as standards of continuity of care. Applying both conventional and local or alternative resources, family doctors delivered both basic medical care and common health services at a low cost.<sup>33</sup> Good quality of a holistic and comprehensive in family medicine practice is essential to the proper ongoing care of patients.

### Conclusion

The future studies of family medicine practice could focus on the promotion of a more sustainable delivery

of healthcare. This study concludes by synthesizing concepts for a new family medicine practice, and suggests how a holistic-comprehensive model might contribute to thinking about the future of family medicine practice in developing countries.

**Conflict of Interest:** None.

**Source of Finding:** Not required.

**Ethical Clearance:** Self-funded.

### References

1. Arya N, Gibson C, Ponka D, Haq C, Hansel S, Dahlman B, Rouleau K. Family medicine around the world: overview by region "The Besroul Papers: a series on the state of family medicine in the world". *Can Fam Physician* [Internet]. 2017 [cited 2019 June 15];63(6):436–441. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5471080/>.
2. Fung CSC, Wong CKH, Fong DYT, Lee A, Lam CLK. Having a family doctor was associated with lower utilization of hospital-based health services. *BMC Health Services Research* [Internet]. 2015 [cited 2019 June 15];15:42. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/25627936>.
3. Hellenberg D, Williams FR, Kubendra M, Kaimal RS. Strengths and limitations of a family physician. *J Family Med Prim Care* [Internet]. 2018 [cited 2019 June 16];7(2):284-287. Available from: [https://doi.org/10.4103/jfmpc.jfmpc\\_297\\_17](https://doi.org/10.4103/jfmpc.jfmpc_297_17)
4. Frey R, Powell L, Gott M. Care vs. care: 'Biomedical' and 'holistic' worldviews of palliative care. *European Journal of Integrative Medicine* [Internet]. 2013 [cited 2019 June 15];5:352-364. Available from: <https://doi.org/10.1016/j.eujim.2013.02.004>.
5. Thompson EA, Quinn T, Paterson C et al (2008). Outcome measures for holistic, complex interventions within the palliative care setting. *Complementary Therapies in Clinical Practice* [Internet]. 2008 [cited 2019 June 15];14: 25-32. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/18243939>.
6. Windram JD, Oechslein EN. Comprehensive patient care best serves the adult with congenital heart disease. *Progress in Pediatric Cardiology* [Internet]. 2012 [cited 2019 June 15];34: 61-65. Available from: <https://doi.org/10.1016/j.ppedcard.2012.05.014>.

7. Okpokoro E. Primary health care: a necessity in developing countries?. *Journal of Public Health in Africa* [Internet]. 2013 [cited 2019 June 15];4:76-77. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5345435/>.
8. Perhimpunan Dokter Keluarga Indonesia. Standar Pelayanan Dokter Keluarga [Internet]. 2006 [cited 2019 June 15];. Available from: <https://galihendradita.files.wordpress.com/2015/03/buku-standar-pelayanan-dokter-keluarga-2006.pdf>.
9. Andrews GJ, Evans J, McAlister S. 'Creating the right therapy vibe': Relational performances in holistic medicine. *Social Science & Medicine* [Internet]. 2013 [cited 2019 June 15];83:99-109. Available from: <http://dx.doi.org/10.1016/j.socscimed.2013.01.008>.
10. Saultz JW. Defining and Measuring Interpersonal Continuity of Care. *Annals of Family Medicine* [Internet]. 2003 [cited 2019 June 16];1(3):134-143. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1466595/>.
11. Kuang L, Liang Y, Mei J, Zhao J, Wang Y, Liang H, Shi L. Family practice and the quality of primary care: a study of Chinese patients in Guangdong Province. *Family Practice* [Internet]. 2015 [cited 2019 June 15];32(5):557-563. Available from: <https://doi.org/10.1093/fampra/cmz064>.
12. Jong MC, Vijver LVD, Busch M, Fritsma J, Seldenrijk R. Integration of complementary and alternative medicine in primary care: What do patients want?. *Patient Education and Counseling* [Internet]. 2012 [cited 2019 June 16];89:417-422. Available from: <http://dx.doi.org/10.1016/j.pec.2012.08.013>.
13. Ben-Arye E, Frenkel M, Klein A, Scharf M. Attitudes toward integration of complementary and alternative medicine in primary care: Perspectives of patients, physicians and complementary practitioners. *Patient Education and Counseling* [Internet]. 2008 [cited 2019 June 16];70:395-402. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/18201857>.
14. Dunn CE, Mare AL, Makungu C. Malaria risk behaviours, socio-cultural practices and rural livelihoods in southern Tanzania: Implications for bednet usage. *Social Science & Medicine* [Internet]. 2011 [cited 2019 June 16];72:408-417. Available from: <https://doi.org/10.1016/j.socscimed.2010.11.009>.
15. Bruin SR, Versnel N, Lemmens LC, Molema CCM, Schellevis FG, Nijpels G, Baan CA. Comprehensive care programs for patients with multiple chronic conditions: A systematic literature review. *Health Policy* [Internet]. 2016 [cited 2019 June 16];107:108-145. Available from: <http://dx.doi.org/10.1016/j.healthpol.2012.06.006>.
16. Augustovski F, Chaparro M, Palacios A, Shi L, Beratarrechea A, Irazola V, Rubinstein A, Mills K, He J, Riviere AP. Cost Effectiveness of a Comprehensive Approach for Hypertension Control in Low-Income Settings in Argentina: Trial-Based Analysis of the Hypertension Control Program in Argentina. *Value in Health* [Internet]. 2018 [cited 2019 June 16]. Available from: <https://doi.org/10.1016/j.jval.2018.06.003>.
17. Mash R, Downing R, Moosa S, Maeseneer J De. Exploring the key principles of Family Medicine in sub-Saharan Africa: international Delphi consensus process. *South African Family Practice* [Internet]. 2008 [cited 2019 June 15];50(3):60-65. Available from: <https://doi.org/10.1080/20786204.2008.10873720>.
18. Qidwai W, Beasley JW, Gomez-Clavelina FJ. The present status and future role of family doctors: a perspective from the International Federation of Primary Care Research Networks. *Primary Health Care Research & Development* [Internet]. 2008 [cited 2019 June 15];9:172-182. Available from: <https://doi.org/10.1017/S1463423608000741>.
19. Moore M. What do Nepalese medical students and doctors think about patient-centred communication?. *Patient Education and Counseling* [Internet]. 2009 [cited 2019 June 16];76:38-43. Available from: <https://doi.org/10.1016/j.pec.2008.11.018>.
20. Hager KD, Merighi J, O'Donnell C, Remke S. Perceptions of interprofessional collaboration with integrated behavioral health providers in a family medicine clinic: Insights from residents, physicians, and pharmacists. *Journal of Interprofessional Education & Practice* [Internet]. 2018 [cited 2019 June 16];13:65-72. Available from: <https://doi.org/10.1016/j.xjep.2018.10.002>.
21. Mercer SW, Siu JY, Hillier SM, Lam CLK, Lo YYC, Lam TP, Griffiths SM. A Qualitative study of the views of patients with long-term conditions on family doctors in Hong Kong. *BMC Family Practice* [Internet]. 2010 [cited 2019 June 16];11:46. Available from: <http://www.biomedcentral>.



- com/1471-2296/11/46.
22. Widyahening IS, Thuraiappah DM, Han TM, Vidiawati D. Indonesian primary care physicians profile in 2011: Did practicing hours and conversion program for family medicine differentiate their services and continuing medical education activities?. *Asia Pacific Family Medicine* [Internet]. 2014 [cited 2019 June 15];13:16. Available from: <https://doi.org/10.1186/s12930-014-0016-x>.
  23. Chen T-H, Du Y, Sohal A, Underwood M. Family medicine education and training in China: past, present and future. *Br J Gen Pract* [Internet]. 2007 [cited 2019 June 15];57(541):674–676. Available from: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2099684/>.
  24. Ng CJ, Teng CL, Abdullah A, Wong CH, Hanafi NS, Phoa SSY, Tong WT. The Status of Family Medicine Training Programs in the Asia Pacific. *Fam Med* [Internet]. 2016 [cited 2019 June 15];48(3):194-202. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/26950908>.
  25. Flinkenflögel M, Essuman A, Chege P, Ayankogbe O, Maeseneer J De. Family medicine training in sub-Saharan Africa: South–South cooperation in the Primafamed project as strategy for development. *Family Practice* [Internet]. 2014 [cited 2019 June 15];31(4):427-436. Available from: <https://doi.org/10.1093/fampra/cmu014>.
  26. Chege PM, Penner J, Godoy-Ruiz P, Kapoor V, Rodas J, Rouleau K. Evolution of Family Medicine in Kenya (1990s to date): a case study. *South African Family Practice* [Internet]. 2007 [cited 2019 June 15];59(1):1-8. Available from: <https://doi.org/10.1080/20786190.2016.1248142>.
  27. Ali NS, Jamal K, Khuwaja AK. Family physicians understanding about Mantoux test: A survey from a high endemic TB country. *Asia Pacific Family Medicine* [Internet]. 2010 [cited 2019 June 15];9:8. Available from: <http://www.apfmj.com/content/9/1/8>.
  28. Hays R. The central hemisphere: The potential of academic family medicine in the Asia Pacific region. *Asia Pacific Family Medicine* [Internet]. 2003 [cited 2019 June 16];2:5-7. Available from: <https://doi.org/10.1046/j.1444-1683.2003.00042.x>.
  29. Su T, Han X, Chen F, Du Y, Zhang H, Yin J, Tan X, Chang W, Ding Y, Han Y, Cao G. Knowledge Levels and Training Needs of Disaster Medicine among Health Professionals, Medical Students, and Local Residents in Shanghai, China. *PLoS ONE* [Internet]. 2013 [cited 2019 June 15];8(6):e67041. Available from: <https://doi.org/10.1371/journal.pone.0067041>.
  30. Manning G. The need for family medicine. *Current Medicine Research and Practice* [Internet]. 2016 [cited 2019 June 16];6:27-29. Available from: <http://dx.doi.org/10.1016/j.cmrp.2016.01.010>.
  31. Huang J, Liu S, He R, Fang S, Lu W, Wu J, Liang H, Zhang Y. Factors associated with residents' contract behavior with family doctors in community health service centers: A longitudinal survey from China. *PLoS ONE* [Internet]. 2018 [cited 2019 June 15];13(11): e0208200. Available from: <https://doi.org/10.1371/journal.pone.0208200>.
  32. Wong WCW, Jiang S, Ong J, Peng M, Wan E, Zhu Z, Lam CLK, Kidd M, Roland M. Availability and use of primary care facilities in China: a nationwide representative survey. *The Lancet* [Internet]. 2016 [cited 2019 June 15];388:S18. Available from: [https://doi.org/10.1016/S0140-6736\(16\)31945-6](https://doi.org/10.1016/S0140-6736(16)31945-6).
  33. Wu D, Lam TP. Underuse of Primary Care in China: The Scale, Causes, and Solutions. *Am Board Fam Med* [Internet]. 2016 [cited 2019 June 15];29:240-247. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/26957381>.



## SURAT KETERANGAN

Nomor : 2911/UN3.1.10/KP/2023

Yang bertanda tangan di bawah ini :

Nama : Dr. Santi Martini, dr., M.Kes  
NIP : 196609271997022001  
Pangkat / Golongan : Pembina/Gol. IV/a  
Jabatan : Dekan

Dengan ini menerangkan bahwa :

Nama : Dr. Ernawaty, drg. M.Kes.  
NIP : 196604201992032002  
Pangkat / Golongan : Penata Tk. 1 (III/d) / TMT 01-04-2018  
Jabatan : Lektor / TMT 01-10-2017

Telah melaksanakan penelitian dengan judul sebagai berikut :

No.	Judul Karya Ilmiah	Tahun Pengumpulan Data	Alasan Tidak Tersedia <i>Etical Clearance</i>
1	Referral System In Indonesia, Has It Been Implemented Correctly? ( <a href="http://www.publichealthmy.org/ejournal/ojs2/index.php/ijphcs/article/view/927">http://www.publichealthmy.org/ejournal/ojs2/index.php/ijphcs/article/view/927</a> )	2019	Literature review
2	Congenital Hearing Loss Was Not A Scary Problem: Article Review ( <a href="https://ejmcm.com/article_2871.html">https://ejmcm.com/article_2871.html</a> )	2019	Literature review
3	Enhancing Family Medicine Practice in Developing Countries through a Holistic-Comprehensive Care Model: A Review ( <a href="https://ijphrd.com/issues.html">https://ijphrd.com/issues.html</a> )	2020	Literature review
4	Economic Evaluation for Health Advocacy and Informed Policy ( <a href="https://e-journal.unair.ac.id/JAKI/article/view/28558">https://e-journal.unair.ac.id/JAKI/article/view/28558</a> )	2021	Literature review
5	Literature Review: Cost Calculation of Blood Services in Some Countries (Based on HDI Level) ( <a href="https://journal.unnes.ac.id/sju/index.php/ujph/article/view/40872">https://journal.unnes.ac.id/sju/index.php/ujph/article/view/40872</a> )	2020	Literature review
6	Legalitas Penjualan Obat Psikotropika Secara Online Di Indonesia ( <a href="https://ejournal2.undip.ac.id/index.php/jphi/article/view/15441">https://ejournal2.undip.ac.id/index.php/jphi/article/view/15441</a> )	2023	Statue approach
7	Literatur Review: Pengukuran Kesiapan Tenaga Kesehatan dalam Menerima Telehealth atau Telemedicine antara Negara Maju dan Negara Berkembang ( <a href="http://www.ejurnal.poltekkes-tjk.ac.id/index.php/JK/article/view/2000">http://www.ejurnal.poltekkes-tjk.ac.id/index.php/JK/article/view/2000</a> )	2020	Literature review



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI

UNIVERSITAS AIRLANGGA

FAKULTAS KESEHATAN MASYARAKAT

Kampus C Jl. Dr. Ir. H. Soekarno, Mulyorejo, Surabaya 60115 Telp. (031) 5920948 Fax (031) 5924618

Laman : <https://fkm.unair.ac.id>, e-mail : [info@fkm.unair.ac.id](mailto:info@fkm.unair.ac.id)

8	Literatur review: Implementasi Bauran Pemasaran 7P Terhadap Tingkat Kepuasan Pasien Di Rumah Sakit ( <a href="http://publikasi.dinus.ac.id/index.php/visikes/article/view/4331">http://publikasi.dinus.ac.id/index.php/visikes/article/view/4331</a> )	2021	Literature review
---	--	------	-------------------

Demikian surat keterangan ini kami buat untuk dapat dipergunakan sebagai persyaratan pengusulan Jabatan Fungsional Lektor Kepala.

Surabaya, 11 April 2023

