Dear Ms. Ancah Caesarina Novi Marchianti,

Congratulations on the acceptance of your abstract for oral presentation and thank you for your interest in the 3rd International Conference on Public Health (ICOPH 2017). On behalf of the Conference Organizing Committee, I would like to formally invite you to attend the 3rd International Conference on Public Health 2017 to present your paper in Kuala Lumpur, Malaysia from 27th – 29th July, 2017. The conference is being hosted by Taylor’s University and Mahsa University, Malaysia. It will be organized by The International Institute of Knowledge Management (TIiKM) in collaboration with University of Sri Jayewardenepura, Sri Lanka, Sikkim Manipal Institute of Medical Sciences of India, Monash University of Malaysia and International Institute of Health Management Research of India.

The aim of this international conference is to provide a comprehensive dialogue for the scholars and practitioners to share and explore new heights in Public Health as the theme implies in overall. While researchers and academicians have the opportunity to present their research and on-going studies at this conference, practitioners also have the opportunity to share their experiences from the practical world.

All accepted abstracts and full papers (for those who register for the conference) will be published in the refereed Conference proceedings and Book of Abstracts with ISBN and ISSN after the conference. You have the option for including either abstract only or full paper in the proceedings. We will also make every effort to submit the proceedings to be indexed in the Thomson Reuters, SCOPUS, Mendeley, CiteULike, Cross ref and Google scholar for possible Indexing.

Please visit the ICOPH website at www.publichealthconference.co for more information. More details and instructions will be announced closer to the event.

We look forward to meeting you at the conference.

Yours sincerely,

Isanka P. Gamage
Convener ICOPH 2017
Invoice: 2017/CONF/ICOPH/274
Invoice Date: 18th of May, 2017

Dr. Ancah Caesarina Novi Marchianti  
Medical Faculty,  
University of Jember,  
Indonesia.

<table>
<thead>
<tr>
<th>No</th>
<th>Description</th>
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| 1. | Conference Fee: The International Conference on Public Health 2017  
  27th - 29th July 2017, Kuala Lumpur, Malaysia  
  - Paper ID: ICOPH - A - 188  
  - Paper Title: Accuracy comparison of anthropometric formulas of height estimation based on several  
  - User Registration: Speaker  
  - User Category: Delegate | USD 475 |

**TOTAL** USD 475

**Payments should be made in US$ and without charges to the beneficiary.**
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# 3rd International Conference on Public Health 2017

**27th – 29th July 2017 - Kuala Lumpur, Malaysia**

"Strengthening the Public Health Infrastructure towards Healthy Communities"

## Session Schedule

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<td>The Empowering Elderly of Education Accompaniment to Reduce Disorder and Abundant Intellectual Depression</td>
<td>Ahmed Ilham Nur Rahman (University of Jember, Indonesia)</td>
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<tr>
<td>10.30 – 10.50</td>
<td></td>
<td>Morning Refreshments</td>
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### TECHNICAL SESSION 32: Primary Health Care 2 (O)

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<td>Asril, NM; Tabuchi, K.; Kobayashi, T (Hiroshima University, Japan)</td>
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<td>11.08 – 11.26</td>
<td>O9</td>
<td>Barangay [Village] Health Board Assemblies: A Powerful Strategy to Engage Rural Communities towards Enhanced Participation and Change</td>
<td>Laruan, LMA Fermín, ME; Maing, MM; Victorino, AA and Madino, LG (Rural Health Unit, Kapongan Local Government Unit, Philippines)</td>
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<td>11.26 – 11.44</td>
<td>O10</td>
<td>Demand Analysis of Using Community for First Level Health Facility Services at Program of The National Health Insurance</td>
<td>Nuryadi; Artawan Eka Putra, Iwg (University of Airlangga, Philippines)</td>
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<td>O11</td>
<td>Strengthening Public Health Services through Evidence-Based Practices for Saving Maternal Lives in Remote Tribal Area in India</td>
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<td>Arief Hartono, Kurnia Dwir Astanti (Universitas Airlangga, Indonesia)</td>
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### TECHNICAL SESSION 33: Sociology and Health (V)

**Saturday, 29th July 2017 | 10.50 to 12.40 (Hall 1)**

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<td>ACN Marchianti, LS Arun and AHR Ainit (University of Jember, Indonesia)</td>
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<td>V2</td>
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<td>Gamila Anindita, Yulis Setiya Dewi, Hanik Endang Nihsyati (Universitas Airlangga, Indonesia)</td>
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ANTHROPOMETRIC STUDY IN DEUTERO-MALAY ETHNIC IN SEARCH OF ACCURATE HEIGHT FORMULAS FOR NUTRITIONAL STATUS ASSESSTMENT

Aanca Caesarina Novi Marchianti¹, Linda Sekar Arum², Anisa Hanif Rizki Ainia²

¹Department of Public Health, Medical Faculty, University of Jember, Indonesia
²Medical Education, Medical Faculty, University of Jember, Indonesia

ABSTRACT

Nutritional status can be assessed by knowing the height but because it is often difficult to quantify for example in bedrest patient or abnormal stature, it needs an alternative anthropometric measurement, such as height estimation based on long-bones measurement. Little information is available about the accuracy of these measurement, especially in deutero-malay ethnic. The present study aimed to compare accuracy for estimating height from several long-bones lengths to search an accurate anthropometric formula for nutritional status assessment. This study used an observational analytic method with cross sectional approach. The samples are students of Medical Faculty of University of Jember that meet the inclusion and exclusion criteria. Data were analyzed with Kolmogorov-Smirnov test, Pearson Correlation test and linear regression. The method is by measuring height with microtoise and bones length with medline. The result showed strong and positive (r > 0.5) correlation between height and length of long-bones, so linear regression can be done. Among ulna, femur, humerus and radius bones, femur formula showed the highest accuracy both in men (r right = 0.904; left =0.906) and women (r right = 0.911; left = 0.900). We conclude that anthropometric formula from estimation of height by length of femur is the most accurate from all formula, thus the most preferable to be used for height estimation in deutero-malay ethnic when assessing nutritional status.

Keywords: anthropometric formulas, height estimation, nutritional status, deutero-malay
Themes: Sociology and Health