# SOUTHEAST ASIAN MATHEMATICS EDUCATION JOURNAL

VOLUME 7, NO. 1 JUNE 2017 ISSN 2089-4716

Southeast Asian Ministers of Education Organization (SEAMEO)
Regional Centre for Quality Improvement of Teachers and Education Personnel (QITEP) in Mathematics
Yogyakarta Indonesia

| Southeast Asian Mathema<br>2017, Vol. 7 No. 1 | atics Education Jou | ırnal |  |  |
|-----------------------------------------------|---------------------|-------|--|--|
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |
|                                               |                     |       |  |  |

## **Southeast Asian Mathematics Education Journal** (SEAMEJ)

Southeast Asian Mathematics Education Journal (SEAMEJ) is an academic journal devoted to reflect a variety of research ideas and methods in the field of mathematics education. SEAMEJ aims to stimulate discussions at all levels of mathematics education through significant and innovative research studies. The journal welcomes articles highlighting empirical as well as theoretical research studies, which have a perspective wider than local or national interest. All contributions are peer reviewed

#### **Contact Information:**

Dr. Wahyudi Director SEAMEO Regional Centre for QITEP in Mathematics Jl. Kaliurang Km. 6, Sambisari, Condongcatur, Depok Sleman, Yogyakarta, Indonesia. Phone: +62(274) 889955

Fax: +62(274) 887222 Email: secretariat@qitepinmath.org

| Southeast Asian Mathe<br>2017, Vol. 7 No. 1 | ematics Eaucation Jo | ournal |  |  |
|---------------------------------------------|----------------------|--------|--|--|
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |
|                                             |                      |        |  |  |

External Advisory Panel

Professor Mohan Chinnappan University of South Australia
Professor Lim Chap Sam Universiti Sains Malaysia
Associate Professor Catherine Attard University of Western Sydney
Dr. S. Kanageswari a/p Suppiah Shanmugam Universitas Utara Malaysia

Dr. Ida Karnasih Universitas Muslim Nusantara Al-Washiliyah

Chair

Wahyudi SEAMEO Regional Centre for QITEP in Mathematics

Chief Editor

Allan Leslie White Former lecturer at University of Western Sydney

Editorial Board Members

Wahyudi SEAMEO Regional Centre for QITEP in Mathematics
Ganung Anggraeni SEAMEO Regional Centre for QITEP in Mathematics
I G.A. Russasmita Sripadmi SEAMEO Regional Centre for QITEP in Mathematics
Joel Hohn SEAMEO Regional Centre for QITEP in Mathematics
Uki Rahmawati SEAMEO Regional Centre for QITEP in Mathematics
Rachma Noviani SEAMEO Regional Centre for QITEP in Mathematics
Fina Hanifa Hidayati SEAMEO Regional Centre for QITEP in Mathematics

Manuscript Editors

Sriyanti SEAMEO Regional Centre for QITEP in Mathematics
Wahid Yunianto SEAMEO Regional Centre for QITEP in Mathematics

Administrative Assistants

Tika Setiawati SEAMEO Regional Centre for QITEP in Mathematics Rini Handayani SEAMEO Regional Centre for QITEP in Mathematics

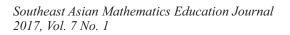
Cover Design & Typesetting

Joko Setiyono SEAMEO Regional Centre for QITEP in Mathematics
Suhananto SEAMEO Regional Centre for QITEP in Mathematics
Denny Saputra SEAMEO Regional Centre for QITEP in Mathematics
Febriarto Cahyo Nugroho SEAMEO Regional Centre for QITEP in Mathematics

| Southeast Asian Mathematics Education Journal 2017, Vol. 7 No. 1 |  |  |  |  |
|------------------------------------------------------------------|--|--|--|--|
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |
|                                                                  |  |  |  |  |

### **CONTENTS**

| Wahyudi & Allan Leslie White | 1-2   | Editorial                                                                                                                  |
|------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------|
| Catherine Attard             | 3-18  | Re-engaging with Primary Mathematics<br>Through Sustained Professional<br>Development: A Case Study                        |
| Dorian Stoilescu             | 19-29 | Changing the Attitudes and Beliefs of<br>Pre-service Primary Teachers Towards<br>Mathematics                               |
| Allan Leslie White           | 31-42 | Mathematics Literacy: An Australian Perspective and Experience                                                             |
| Marfuah                      | 45-55 | Profiling Self-regulated Learning in<br>Online Mathematics Teacher Training: A<br>Case Study of a GeoGebra Course          |
| Rusli                        | 57-64 | The Impact of Gender, Parents' Education Level, and Socio-Economic Status on Turkish Students' Mathematics Performance     |
| Fadjar Shadiq                | 65-76 | What Can We Learn from the ELPSA,<br>SA, and PSA Frameworks? The<br>Experience of SEAQiM                                   |
| Sri Wulandari Danoebroto     | 77-87 | Students' Perception on Borobudur<br>Temple as Mathematic Learning<br>Resource                                             |
| Riyanta & Ika Wulandari      | 89-98 | Innovation in Mathematics Education<br>Through Lesson Study: Challenges to<br>STEM on Statistics and Electricity<br>Saving |



ISSN 2089-4716

#### INSTRUCTION FOR AUTHORS

It is important that authors follow these instructions before preparing a manuscript and submitting it to Southeast Asian Mathematics Education Journal (SEAMEJ). Submissions must be in English based on the style outlined by American Psychological Association (6<sup>th</sup> edition). Documents that are not in compliance with the Journal's submission criteria will be returned to the sender for corrections. Each manuscript should have the following items placed in the order given:

#### **Cover Page**

Include the authors' names and affiliations, addresses, phone numbers, fax numbers and e-mails as well as corresponding author information.

#### Second page

Include an abstract of up to 250 words and identify up-to-five keywords.

#### Third page

This page should include the title at the top of the page and centered. Note that you should not include the author information in the main body of the text. Manuscripts should not exceed 30 double-spaced pages in length. They should be prepared on (A4) pages with margins of at least 2.5cm (1 inch) from each side.

#### References

The full references should be listed in alphabetical order at the end of the main text and should be aligned with the criteria set by American Psychological Association (APA) (Sixth Edition).

#### **Tables and Figures**

Tables and figures should follow the references. Each table and figure should be placed in a separate page with the appropriate number and headings. Both tables and figures should be referred to in appropriate places in the text. Tables should be double-spaced and should not include any inside/outside borders. Sources of information and table notes should be given under the table and should be double-spaced.

#### Miscellaneous

Author(s) should write for an international audience. When the article is accepted, author(s) will be asked to provide a final version of the article formatted in Windows MS Word.

Manuscripts received will be blind review by a panel of international reviewers. Accepted manuscripts may be reviewed for organization, clarity, sexist language and length.

#### Communication address:

The Director, SEAMEO Regional Centre for QITEP in Mathematics Jl. Kaliurang Km. 6, Sambisari, Condongcatur Depok, Sleman, Yogyakarta, Indonesia

Telephone: +62(274) 889955 Facsimile: +62(274) 887222

E-mail: secretariat@qitepinmath.org URL: http://www.qitepinmath.org