

# **MAAP JOURNAL**

## **An Annual Publication**

### **MAAP-2016-Vol.4**

This MAAP Journal is published by the Maritime Academy of Asia and the Pacific (MAAP) – Kamaya Point, previously by the Department of Research and Extension Services (DRES) and hereforth through the Academic Research Unit (ARU) under the Department of Academics (ACAD). This serves as a research and academic reference as well as an exchange publication.

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Readers of this Journal are invited to comment on the papers published herein and to suggest topics for future coverage.

Research articles published in this journal should conform to the MAAP Editorial Policy.

#### **Correspondence should be addressed to:**

The Editor

c/o The Research Coordinator

Academic Research Unit, Department of Academics

Maritime Academy of Asia and the Pacific-Kamaya Point

Email address: [maapresearchoffice@gmail.com](mailto:maapresearchoffice@gmail.com)

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## MESSAGE OF THE PRESIDENT



It is with great pleasure that I would like to greet the readers of this new edition of the MAAP Journal.

We, the MAAP family, always commit to excel in all our undertakings. This publication is one proof of our deep intention to fulfill our three-fold functions, namely teaching, research and community service. Furthermore, the contents of this publication concretize our fervent effort to develop a research culture in the academy while proactively responding to the recent challenges posed by the different national and international accreditation bodies, and the changes in the national educational system.

Research is a display of critical thinking and academic writing skills. It calls for an inquisitive mind and keen observation to identify relevant problems to work on. Also, it needs time and effort to conduct the study, to connect ideas and finally produce a coherent research output. Such requisites are accompanied by patience, openness, industry and commitment. These practices and qualities make us one of the best maritime academies here in the Philippines and even beyond.

With these in mind, let me congratulate the Academic Research Unit (ARU) for reviving the research publication of the academy, and formulating the MAAP editorial policy. Also, I extend my commendation to the Board of Editors especially the Academics leadership as well as to the research committee members. Finally, I recognize the invaluable contributions of the researchers themselves. You all did a great job!

On the other hand, I enjoin the management, faculty members, and staff to contribute research outputs and best practices in the succeeding issues. The research opportunity that MAAP provides serves as a venue to sharpen your research skills in approaching your jobs and concerns in a scientific and methodical manner that will create results. Everyone is encouraged especially those under the Department of Academics to formulate problems and conduct their own studies to produce world class research outputs for publication, conference presentations, and most especially, for the improvement of maritime education and training.

Continue questioning, formulating hypothesis, testing and researching in the spirit of continual improvement for the advancement of MAAP and the maritime industry, in general!

**VADM Eduardo Ma R Santos, AFP (Ret)**  
MAAP President

## **MAAP EDITORIAL POLICY**

The MAAP Research Journal is an institutional publication that publishes scholarly works of the faculty and/or staff, and students of the academy. These scholarly works address the research areas identified by the Academic Research Unit, in collaboration with the Dean of Academics, the Assistant Vice-President for Academics, and Academic and Training Council in compliance with the Commission on Higher Education (CHED) National Higher Education Research Agenda (NHERA-2) 2009-2018, CMO 31, s.2013, and CMO 41, s.2010. Any research endeavor, as long as it meets the requirements set by the Academic Research Unit, may be included in the publication.

The scholarly works of the faculty and/or staff, and the students are published through the journal in order to make known to the MAAP community and even to the outside communities the issues in maritime education and training identified and addressed by these undertakings. More importantly, the publication highlights the contributions of these researches not only to the maritime education and training but also to the management, the academic community, the local community, and the local and international research community.

Prior to publication, the research output has to undergo review and evaluation by the review committee. The researcher, being informed of the review process, agrees to submit to the requirements and procedures set.

The review committee is composed of the Academic Research Coordinator, the Vice-President for Academics, and the Dean of Academics. This committee is responsible for identifying and selecting the referees who will review the manuscripts submitted.

The review committee is formed to review and evaluate completed researches submitted by the faculty and/or staff, and the students. The committee has its purpose and/or goal of ensuring

excellence of the research outputs by subjecting the papers to critical scrutiny in relation to the set criteria for evaluation.

## **The Peer Review System**

### **A. Definition**

The peer review system is a process of subjecting the research output to evaluation of experts in research and in the area under which the research has been conducted. These experts have the responsibility to be impartial in their review of the paper. On the other hand, researchers who submit their papers for review have to conform to the requirements and procedures set by the Academic Research Unit.

### **B. Preliminary Peer Review**

Coinciding with the MAAP research process, the research paper is initially evaluated by the Academics Research office. Plagiarism detection and word count for abstract and technical review by the editorial board are also applied in this stage.

### **C. Peer Review Process**

The review committee, after receiving a copy of the manuscript, calls the attention of the selected referees, and gives them a copy of the output for their review. After reading the manuscript, the referees write their constructive evaluation and recommendations which will be relayed by the committee to the researcher for consideration and action. The team of referees may also request for an oral presentation in order to clarify information written in the manuscript. After which, the editorial board decides on the acceptance or rejection of the manuscripts based on the compliance of the peer reviewers' recommendations.

Peer Reviewers. The selection of peer reviewers/referees is the responsibility of the review committee. The selected referees should be experts in the conduct of research and in the area which the topic of the study is under. When a manuscript is submitted for evaluation,

the committee confers and deliberates on the composition of the review panel. The researcher may recommend qualified reviewers, whom the committee may or may not include.

*Criteria for acceptance and rejection.* The submitted manuscript is accepted for publication in the condition that the researcher meets the review requirements and/or criteria, and procedures set by the academic research unit. In addition, the researcher has to submit another copy of his/her manuscript that incorporates the recommendations of the team of referees.

*Plagiarism detection.* The academy uses the *Grammarly writing enhancement and anti-plagiarism software* in order to ensure that the manuscripts submitted are original and that the authors have done the necessary citations and acknowledgments of the sources used. The papers are allowed a plagiarism detection of 20% or less.

*Appropriateness of citation format.* All citations should follow the American Psychological Association (APA) 6<sup>th</sup> edition format. This can be downloaded from the internet or can be requested from the Academic Research Unit office.

*Word count, spelling and grammar checks.* There is no specific word count requirement as long as the paper does not exceed 15 pages, including the references and the appendices. For uniformity purposes, the standard American English is highly encouraged.

#### **D. Publication Process**

The Academic Research Unit collates all approved research papers for publication. After which, the manuscript is formatted and the prototype copy of the published manuscript is forwarded to the authors for confirmation. The final copy is then submitted for approval of MAAP management for final printing.

For wider dissemination and utilization of MAAP research outputs, copies of the research manual will be provided to the MAAP Library and each department/division. Copies may also be used for exchange publication with other institutions.

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## EDITORIAL NOTES

Anchored on the sailing words of the academy, excellence and quality, this research publication contains the efforts of MAAP faculty, staff and students to continue its voyage towards being the best maritime institution in the country and beyond. Responding to the needs of the times, the contents of this publication reflect the continually successful measures of the academy to the challenges that beset maritime education and training.

One of the progressive and successful projects of the Department of Academics and the MAAP Simulator Center is the simulator integration program where all MAAP midshipmen experience being a duty on board and doing the tasks of a duty marine engineer or deck officer. This project is described in the feature article included in this publication.

Two faculty researchers, Mr. Miguel Escobar and Ms. Maria Celeste Orbe, focused on the determination and description of learning styles of selected MAAP midshipmen, and the language learning beliefs of maritime instructors. The findings of these studies are vital in improving classroom instructions because the teachers may adjust their teaching style to match the preferences of their students. Likewise, the knowledge of one's learning belief in language may shed light on understanding one's practice.

Furthermore, other faculty members worked on studying the courses they are teaching. Specifically, the research on study buddy explored how a specific strategy can be utilized to yield maximum result in as far as learning concepts in Physics is concerned. The author of the paper, Dr. Dela Cruz encourages other instructors/facilitators to experiment in their classrooms using the same strategy but under different

conditions. On the other hand, the manual was the object of study of Ms. Dacwag. She evaluated the content of the revised manual in English using the OBE principles and characteristics as the bases. As part of her contribution to course development and planning, the researcher gave some suggestions for the development officers and instructors to consider.

Still in line with the challenges of outcomes-based education, Dr. Gladys Limson concentrated on the writing and speaking proficiency of Maritime English students of MAAP. She used her findings as basis of her proposal of a competency-based framework in English.

On the part of officers on board, the study entitled *Limits and Considerations in communicating effectively on board ship- the view of leadership and teamwork* revealed the knowledge and skills of officers, and the communication scenario on board as perceived by the respondents. To end, the researchers recommend the inclusion of aspects of cultural awareness, and teamwork and leadership in the course learning outcomes.

Though the content of this publication is not exhaustive, the papers included prove that the academy strives to fulfill all of its three functions- teaching, research and community service. This is just the beginning of a new chapter of the research body of the academy. The challenge is continuous and the sea of knowledge is very vast for exploration and discovery.

We look forward to more smooth and enriching voyages!