

Floating Homes Transportation Opportunities in Indonesia

By basuki rahmat

¹ Review: Floating Homes Transportation Opportunities in Indonesia

Arie Indartono¹, Mohammad Basuki Rahmat³

^{1,3}Shipbuilding Institute of Polytechnic Surabaya (PPNS)

¹Department of Shipbuilding Engineering Technology

³Department of Marine Electrical Engineering Technology

Surabaya, Jawa Timur, 60111, Indonesia

arie.indartono@ppns.ac.id , mbasuki.rahmat@ppns.ac.id

¹

Sri Wiwoho Mudjanarko^{2,*}, Rizal Bahaswan⁴

^{2,*}Civil Engineering Faculty

Narotama University

Surabaya, Jawa Timur, 60117, Indonesia

sri.wiwoho@narotama.ac.id , rizal.bahaswan@narotama.ac.id

³

Joewono Prasetyo⁵

Department of Transportation Engineering Technology

Universiti Tun Hussein Onn Malaysia, 84600 Pagoh, Johor, Malaysia

joewono@uthm.edu.my

Mohd Idrus Mohd Masirin⁶

Department of Civil Engineering

⁶Universiti Tun Hussein Onn Malaysia, Malaysia

idrus@uthm.edu.my

Abstract

Indonesia is a large country that has a large water surface and land area. Various areas are almost found on the surface of the area. The natural potential has not been touched as a whole in the transportation sector. Water transportation management is still limited to certain areas. The potential for water transportation can still be developed widely, including tourism potential. The use of floating homes as a means of transportation will develop well if there is innovation and management of water transportation in the territory of Indonesia. Variations Structures and designs that adapt to the natural conditions of certain areas will further enhance other potentials and must be carried out from now on. In addition, it is also necessary to increase reliable human resources for the development of floating ship transportation and the availability of good port infrastructure adjustments.

Keywords

Indonesia, water transportation, floating homes, potential

Acknowledgements

This article is supported, funded by Shipbuilding Institute of Polytechnic Surabaya (PPNS), Narotama University and Kemdikbud Indonesia.

Biography / Biographies

Arie Indartono is a Senior Lecturer / Supervisor, at Surabaya Institute of Polytechnic Surabaya (PPNS). completed his undergraduate studies in the Marine Engineering of the Faculty of Marine Technology ITS. completed his Masters ⁴ Business management from ITS. The monumental work that has been made is the lifeboat, which is the result of a research grant program from the Ministry of Research, Technology and Higher Education. Expertise in the field of sea transportation is proven from several research results related to the shipbuilding process. involvement in the manufacture of ambulance boats, fishing boats prove their expertise in the field of ship design. Current research is directed at the concept of floating housing that is relatively cheap, safe, comfortable and strong.

¹ **Sri Wiwoho Mudjanarko** is Rector Narotama University, Surabaya Indonesia. Sri Wiwoho Mudjanarko holds a Bachelor of Civil Engineering degree in Civil Engineering from Narotama University, a Master of Civil Engineering degree in Institut Teknologi Sepuluh Nopember dan a Doctor of Civil Engineering degree in University of Brawijaya, Indonesia. He has been recognized as a professional engineer with more than 27 years of experience working with closely held businesses. He is a member of the Indonesian Railway Society (MASKA) Indonesia. Currently managing the journal as chief editor of The Spirit Of Society Journal , Spirit Pro Patria E-Journal, UN Penmas and Consortium of Community Services Journal (CCSJ). The author has also won various research grants on a national scale and made many visits to various countries to collaborate. The author has participated in various IEOM series activities since 2018 in Bandung, Indonesia

Mohammad Basuki Rahmita ⁵ is a Senior Lecturer / Supervisor, at Surabaya Institute of Polytechnic Surabaya (PPNS). His undergraduate studies in Electrical Engineering of Institute Teknologi Sepuluh Nopember Surabaya (ITS) , and also a master's degree from Electrical Engineering of ITS. His research areas of interest are telecommunications, optimization, antennas, radar and navigation, especially those related to water transportation. currently responsible for coordinating the implementation of research, service, and training in PPNS. In addition, being involved in research in the field of sea transportation including being involved in research on tourist boats, fishing boats and also fast boats for water transportation.

¹ **Rizal Bahaswan** is a Lecturer / Supervisor, Departement of Civil Engineering, Narotama University, Surabaya Indonesia

Joewono Prasetijo is a Lecturer / Supervisor, Department of Transportation Engineering Technology Universiti Tun Hussein Onn Malaysia, Pagoh, Johor, Malaysia

Mohd Idrus Mohd Masirin is a Lecturer / Profesor, Department of Transportation Engineering Technology Universiti Tun Hussein Onn Malaysia, Pagoh, Johor, Malaysia

Floating Homes Transportation Opportunities in Indonesia

ORIGINALITY REPORT

34%

SIMILARITY INDEX

PRIMARY SOURCES

1	www.ieomsociety.org Internet	144 words — 21%
2	www.researchgate.net Internet	37 words — 6%
3	link.springer.com Internet	19 words — 3%
4	koreascience.kr Internet	12 words — 2%
5	Adlan Hakim Ahmad, Sharifah Saon, Abd Kadir Mahamad, Cahyo Darujati et al. "Real time face recognition of video surveillance system using haar cascade classifier", Indonesian Journal of Electrical Engineering and Computer Science, 2021 Crossref	8 words — 1%
6	repository.narotama.ac.id Internet	6 words — 1%

EXCLUDE QUOTES OFF

EXCLUDE BIBLIOGRAPHY ON

EXCLUDE SOURCES OFF

EXCLUDE MATCHES OFF