

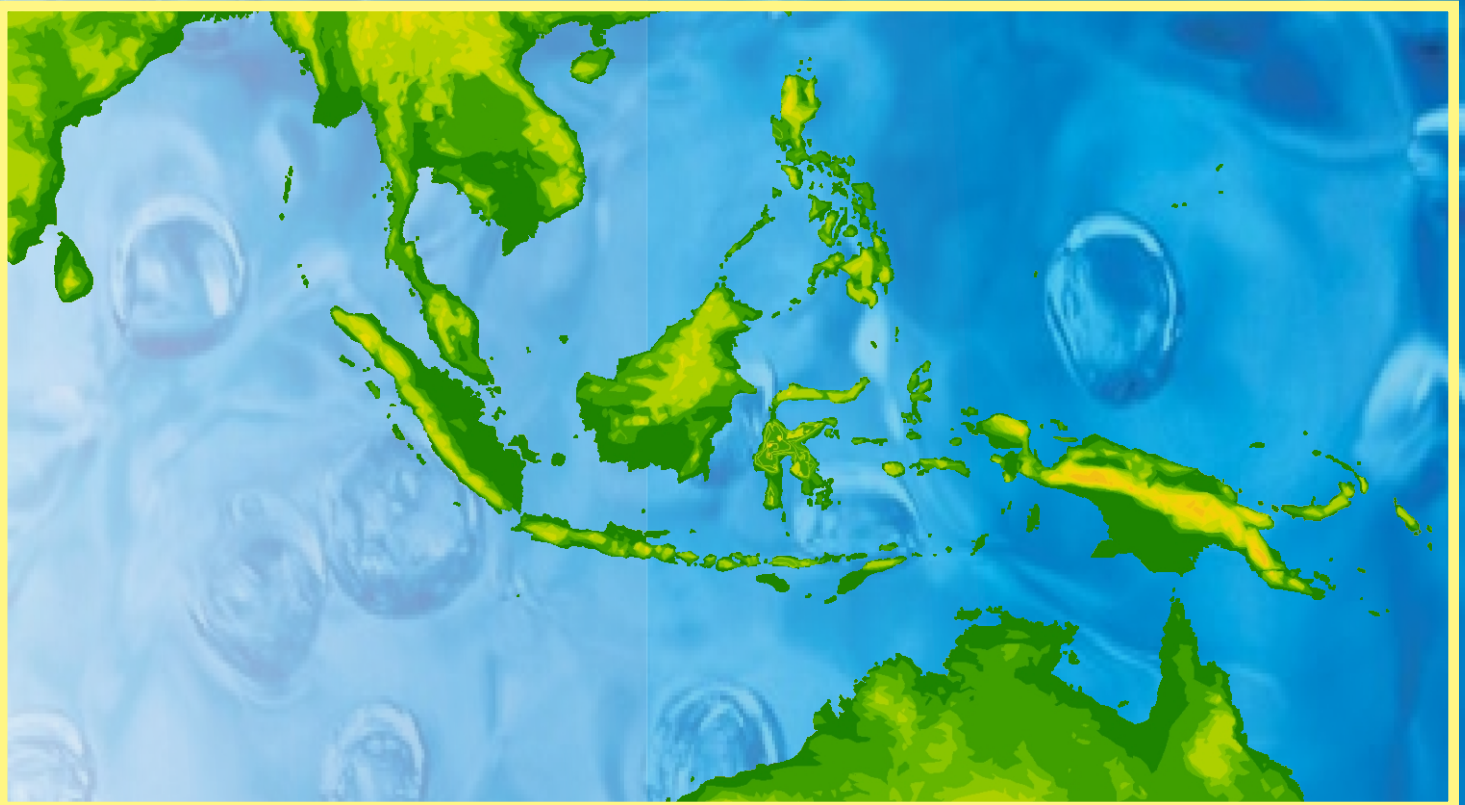
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# **Ilmu dan Teknologi Kelautan Tropis**



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No 21/E/ KPT/2018, Dated 9 July 2018**

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**Department of Marine Science and Technology**  
**Faculty of Fisheries and Marine Science**  
**IPB University**  
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# Jurnal Ilmu dan Teknologi Kelautan Tropis

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**Jurnal Ilmu dan Teknologi Kelautan Tropis (JITKT)**, published since June 2009, starting in December 2010 was published in print and electronic. The name of **E-Jurnal Ilmu dan Teknologi Kelautan Tropis** with ISSN (Online) 2085-6695 starting from 2009-2017, then it changes in 2018 with name **Jurnal Ilmu dan Teknologi Kelautan Tropis** with ISSN (Online) 2620-309X until now. This journal is a scientific journal in the field of tropical marine science and technology and is published periodically three times a year by the Department of Marine Science and Technology of the Faculty of Fisheries and Marine Science-IPB University, Indonesian Association of Oceanologists, and the Association of Indonesian Coastal Management Experts. This journal is nationally accredited by Directorate General of Research and Development Strengthening, Ministry of Research, Technology and Higher Education of the Republic of Indonesia **No.: 21/E/KPT/2018, dated 9 July 2018** from volume 8 number 1 of 2016 to volume 12 number 2 of 2020. Then, from volume 12 number 2 of 2020 to volume 17 number 1 of 2025, it is in Rank Three (Sinta 3) in accordance with Decree **No. : 164/E/KPT/2021, December 27, 2021**.

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## FOREWORD

Our sincere gratitude chanted for the Almighty God. Without His will and power, the editor team may not be able to successfully publish **Jurnal Ilmu dan Teknologi Kelautan Tropis** Vol. 14 No. 3, December 2022 online and in print. This journal is an information media and dissemination for the results of research in marine science and technology field, especially in Indonesia and Southeast Asian regions. This journal is expected to actively and continuously disseminate the best research results to various stakeholders.

This edition is published in 10 articles. All articles had been reviewed through a rigorous review process by reviewers/partners. We would like to express our appreciation and gratitude to the writers and reviewers.

This edition is complemented by an index loaded on the final page of the journal to help readers finding page or location. Also to find any topic the author considered. Hopefully this **Jurnal Ilmu dan Teknologi Kelautan Tropis** may be beneficial and able improve the quality of research results for stakeholders.

**Editor in chief**

**Jurnal Ilmu dan Teknologi Kelautan Tropis**  
**Vol. 14 No. 3, December 2022**

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