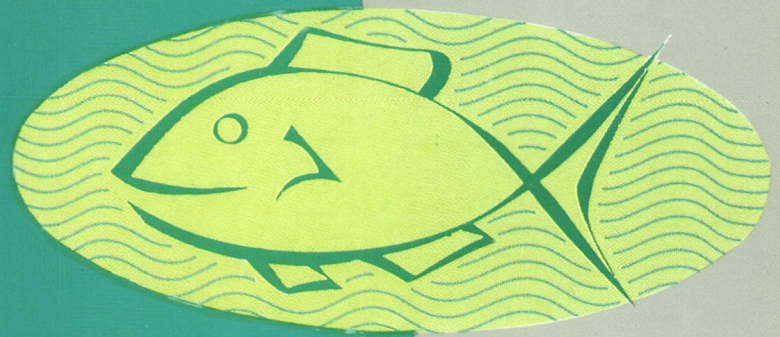


Vol. II No. 1, 1996

INDONESIAN FISHERIES RESEARCH JOURNAL



CENTRAL RESEARCH INSTITUTE FOR FISHERIES
AGENCY FOR AGRICULTURAL RESEARCH AND DEVELOPMENT
MINISTRY OF AGRICULTURE-REPUBLIC OF INDONESIA

ISSN. 0853-8980

INDONESIAN FISHERIES RESEARCH JOURNAL

Editorial Board:

Nurzali Naamin
Alie Poernomo
Johanes Widodo
Victor P.H. Nikijuluw
Santosa Koesoemadinata

Managing Editors:

Murniyati
Endang Pratiwi
Bambang Priono
Sri Ismawati

Published by:

Central Research Institute for Fisheries

Manuscripts may be sent to the publisher:

Indonesian Fisheries Research Journal
Central Research Institute for Fisheries
Jalan K.S. Tubun Petamburan VI
P.O. Box 6650 Slipi
Jakarta 11410A
Indonesia
Phone: (021) 5709162
Facs.: (021) 5709159

Vol. II No. 1, 1996

INDONESIAN FISHERIES RESEARCH JOURNAL



CENTRAL RESEARCH INSTITUTE FOR FISHERIES
AGENCY FOR AGRICULTURAL RESEARCH AND DEVELOPMENT
MINISTRY OF AGRICULTURE-REPUBLIC OF INDONESIA

ISSN. 0853-8980

PREFACE

Indonesian Fisheries Research Journal is the English edition of research journal published by Central Research Institute for Fisheries (CRIFI). The journal which will be published once a year is meant as an effort to expand communication network between scientists of research institutes under CRIFI with their fellow fisheries scientists in other countries, especially in Asia and Australia.

Articles contained in this journal area reports of research institutes under CRIFI. Articles accepted in this journal may cover a wide range of disciplines related to fisheries resources and technologies, including fishery postharvest as well as fisheries economics.

It is hoped that the Indonesian Fisheries Research Journal will also contribute to the progress of fisheries science and technology in both in country as well as of the region.

We wish to express our sincere thanks to Dr. Nick Willoughby of NRI (Natural Resources Institute) United Kingdom for his valuable corrections, criticisms and suggestions of the manuscript of this journal.

Central Research Institute for Fisheries
Director,

Dr. Fuad Cholik

CONTENTS

PREFACE	i
CONTENTS	iii
The Effect of Salinity, Temperature and Gamete Density on the Embryonic Development of the Slipper Oyster, <i>Crassostrea iredalei</i> Faustino By: Achmad Sudradjat	1
Structure of Fish Community and Reproductive Biology of Three Indigenous Species of Cyprinids in Kedungombo Reservoir By: Endi Setiadi Kartamihardja	10
Biochemical Genetics of Tiger Shrimp <i>Penaeus monodon</i> : Description of Electrophoretic Detectable Loci By: Ketut Sugama, Haryanti, and Fuad Cholih	19
Measurements of the Acute Toxicity of Cypermethrin to Nile Tilapia (<i>Oreochromis niloticus</i>), using A Static and A Continuous-Flow System By: Santosa Koesoemadinata	29
Growth, Intermoult Period and Weight of Edible Portions of Giant Prawn and Tiger Shrimp By: Darti Satyani	39
Export Efficiency of the Fish Processing Industry in North Sulawesi By: Victor P.H. Nikijuluw, Riyanto Basuki, Daniel R. Monintja, and John Haluan ...	45
Thiamine in Fish and Its Degradation during Thermal Processing of Salted-Boiled Fish By: Suparno, S.W. Hanson, and A.J. Rosenthal	50