

SEAWEED SPECIES COMPOSITION, ABUNDANCE AND DIVERSITY IN DRINI AND KONDANG MERAK BEACH, JAVA

Publons ID	20523301
Wos ID	WOS:000456338400017
Doi	10.1051/e3sconf/20184703006
Title	SEAWEED SPECIES COMPOSITION, ABUNDANCE AND DIVERSITY IN DRINI AND KONDANG MERAK BEACH, JAVA
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Publish Date	2018
Journal Name	2ND SCIENTIFIC COMMUNICATION IN FISHERIES AND MARINE SCIENCES (SCIFIMAS 2018)
Citation	2
Abstract	The different characteristics of substrate might give influence on species composition, abundance and diversity of seaweed. Kondang Merak and Drini Beach are two beaches in Java Island which have different substrate characteristic. The aim of this study is to investigate seaweed composition, abundance and diversity in Drini Beach and Kondang Merak Beach. Survey method and quadrant transect sampling technique were applied in this study. The result showed that 13 species of seaweed were found at Drini Beach and 18 species of seaweed were found in Kondang Merak Beach. The composition of the seaweed at Drini Beach and Kondang Merak Beach were dominated by Rhodophyta (69% and 56%). Enteromorpha flexuosa was the most abundant seaweed at Drini Beach, while at Kondang Merak Beach was dominated by Chaetomorpha crassa. The seaweed diversity index of Kondang Merak Beach (2,08) was higher than Drini Beach (1,27). Physical and chemical parameters were categorized as the optimal for the growth of the seaweed.
Publish Type	Book in series
Publish Year	2018
Page Begin	(not set)
Page End	(not set)
Issn	2267-1242
Eissn	
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:000456338400017
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