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Judul Karya Ilmiah/Artikel	:	Flavor characteristics and quality of mackerel (Scromberomorus commersonii) "otak-otak" affected by various liquid smoke addition me				
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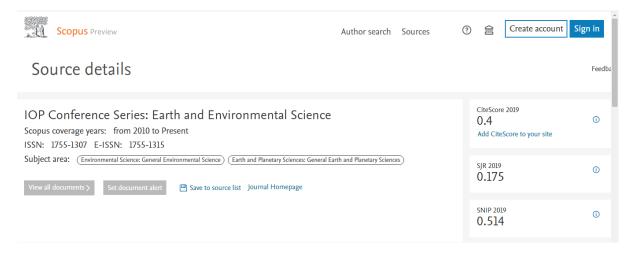
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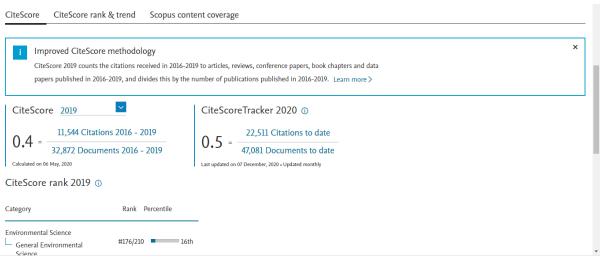
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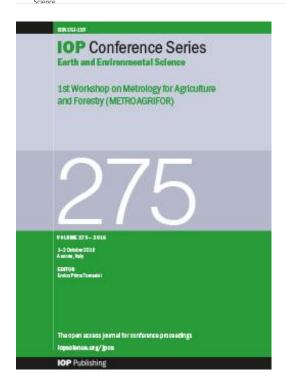
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Development of observing dolphin population method using Small Vertical Take-off and Landing (VTOL) Unmanned Aerial System (AUV)

B Subhan, D Arafat, P Santoso, K Pahlevi, B Prabowo, M Taufik, B S Kusumo, K Awak, D Khaerudi, H Ohoiulun, F I Nasetion and H Madduppa

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Oxygen consumption of *Mugil cephalus* on several temperatures under brackish water conditions

V A Prakoso¹, K T Kim², J H Ryu³, B H Min² and Y J Chang⁴

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Abstract

Two experimental groups were applied to measure oxygen consumption (OC) of young grey mullets *Mugil cephalus* (TL: 27.3 \pm 2.1 cm; TW: 187.9 \pm 45.8 g) at different temperatures (15, 20, and 25°C). Specimens of fish from seawater (30 psu) and freshwater (0 psu) were transferred in to brackish water (15 psu). Rate of fish OC after rearing in brackish water, showed significant difference (P<0.05) in that

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Influence of salt addition and freezing-thawing on particle size and zeta potential of nano-chitosan

P S Nugraheni^{1,2}, A H Soeriyadi³, W B Sediawan¹, Ustadi² and W Budhijanto¹ Published under licence by IOP Publishing Ltd

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Antibacterial properties of nano-chitosan used for fish preservation would achieve optimum effect when combined with cooling. Applying nano-chitosan incorporated in ice can reduce the cooling cost of conventional fish industry. On the other hand, during fish handling, nano-chitosan has a high probability to be contaminated by salt in seawater. This study was aimed to test the effect of salt and

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Spatial and seasonal variation of mangrove litter production in Bitung, Indonesia

I W E Dharmawan¹, C Guangcheng², Pramudji¹ and C Bin²

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Abstract

This study aimed to figure out a spatial and seasonal variation of litterfall production and its correlation with environmental parameters. The area was distinguished into three zones based on species domination, landward (*Xylocarpus granatum*); middle zone (*Rhizophora apiculata*) and seaward (*Ceriops tagal*). Four square, 50x50 cm (1 mm nylon mesh) litter traps were hung randomly in each zone, and the litters were collected monthly. Secondary climate data were compiled from the NOAA and BMKG, while soil and water contents were acquired from TIO-RCO investigation. The number of

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Seasonal variation of the upper-layer seawater properties in the Banda Sea: observed from an autonomous CTD Argo float

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