



**SURAT KETERANGAN**

Nomor : 1086/UN3.1.14/KP/2023

Yang bertanda tangan di bawah ini :

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Pangkat / Golongan : Pembina Utama Madya / IV d  
Jabatan : Dekan

Dengan ini menerangkan bahwa :

Nama : **Dr. Eng. Sapto Andriyono, S.Pi., MT.**  
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Pangkat / Golongan : Penata / III c  
Jabatan : Lektor

Telah melaksanakan penelitian dengan judul sebagai berikut :

No	Judul Karya Ilmiah	Tahun Pelaksanaan Penelitian
1	Penambahan Mikroalga Merah <i>Porphyridium cruentum</i> pada Pakan terhadap Kecerahan Warna Ikan Cupang ( <i>Betta splendens</i> )	2017
2	Hepatoprotective activity of sea cucumber <i>Phyllophorus</i> sp. extract in carp ( <i>Cyprinus carpio</i> )	2017
3	Characterization of complete mitochondrial genome of two-spot swimming crab <i>Charybdis bimaculata</i> (Miers, 1886)	2018
4	Physicochemical properties of <i>Bruguiera gymnorrhiza</i> flour (BGF)	2018
5	Environmental DNA (eDNA) metabarcoding: Diversity study around the Pondok Dadap fish landing station, Malang, Indonesia	2019
6	Complete mitochondrial genome of green shrimp, <i>Choloctus crassicomis</i> (Crustacea: Decapoda: Pandalidae) in Korean Water	2019
7	Molecular identification and phylogenetic reconstruction of two fiddler crabs ( <i>Uca forcipate</i> and <i>Uca triangularis</i> )	2019

8	Next-generation sequencing yields the complete mitochondrial genome of mud spiny lobster, <i>Panulirus polyphagus</i> (Crustacea: Decapoda) from Madura water	2019
9	Assessment of fish biodiversity in four Korean rivers using environmental DNA metabarcoding	2020
10	Effect of Commercial Biofertilizer Product of Seaweed ( <i>Eucheuma Cottonii</i> ) Towards The Growth of Pakcoy Mustard ( <i>Brassica Rapa L</i> ) and Dumbo Catfish ( <i>Clarias Gariepinus</i> ) in Aquaponic System	2020
11	The morphological characters and DNA barcoding identification of sweet river prawn <i>Macrobrachium esculentum</i> (Thallwitz, 1891) from Rongkong watershed of South Sulawesi, Indonesia	2021
12	Identification of Bacterial Symbionts from Marine Sponge <i>Aaptos suberitoides</i> (Demospongia: Suberitidae)	2021
13	Non-native species existence and its potency to be invasive species on freshwater ecosystem in East Java Province, Indonesia	2021
14	New Recorded of Saltwater Crocodile <i>Crocodylus porosus</i> Schneider, 1801 from East Coast Mangrove Ecosystem in Surabaya, East Jawa, Indonesia.	2021
15	Study of crude extract yield and gonad maturity level of sea cucumber <i>Phylloporus dobsoni</i> corellation	2021
16	Molecular identification and potency of scalloped spiny lobster ( <i>Panulirus homarus</i> ) study from Kodang Merak Beach, South Malang	2022
17	Fatty Acids Profiles and Growth Performances of <i>Artemia franciscana</i> Fed with Different Types of Microalgae	2022
18	Environmental DNA metabarcoding reveals biodiversity marine fish diversity of a small island at Manokwari District, West Papua, Indonesia	2022
19	Molecular Identification and Phylogenetic Trees Reconstruction of Blue Swimming Crabs (Decapoda: Portunidae) from Pangpang Bay, Banyuwangi	2022
20	Optimized pretreatment conditions for the environmental DNA (eDNA) analysis of <i>Apostichopus japonicus</i>	2022
21	Improvement of Catfish ( <i>Clarias</i> sp.) Production on Limited Land in Bukit Dempo Village, Belinyu.	2022
22	Analysis Of Antibiotic Residue On Vaname Shrimp ( <i>Litopenaeus vannamei</i> ) In Kalipuro Intensive Pond, Banyuwangi.	2022
23	Studi Bioakumulasi Logam Berat (Pb, Cd, Dan As) Pada Rumput Laut ( <i>Caulerpa cacemosa</i> ) Dari Tambak Tradisional Di Brondong, Lamongan.	2022
24	Morphometric and Meristic Analysis of Rasbora in East Java Province	2022
25	Analisis Kandungan Logam Berat (Pb, Cd dan As) pada Rumput Laut ( <i>Eucheuma cottonii</i> )(Studi Kasus: Perairan Laut Wongsorejo, Banyuwangi).	2022
26	Antibacterial Activity of <i>Phyllophorus</i> sp. Methanol Crude Extract on <i>Vibrio alginolyticus</i> and <i>Vibrio harveyi</i> .	2022

27	Application of the Cytochrome-b gene region in Population Study of Striped Snakehead ( <i>Channa striata</i> ) by Molecular Approach.	2022
28	Molecular Identification of Grouper Fish (Perciformes: Serranidae) Landed From Pangpang Bay, Banyuwangi.	2022
29	Diversity of dinoflagellate cysts isolated from estuarine sediments of Bengawan Solo and Brantas Rivers, Indonesia	2023

Adapun penelitian tersebut tidak perlu dilakukan Uji *Ethical Clearence* karena tidak menggunakan hewan coba.

Demikian surat keterangan ini kami buat untuk dapat dipergunakan sebagai persyaratan pengusulan Jabatan Fungsional **Lektor Kepala**

Surabaya, 1 April 2023



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