

Name	Abdul Manan, Spi., Msi	
Academic service	<ol style="list-style-type: none"> <li>1. Water Quality Management (undergraduate)</li> <li>2. Coastal and Marine Management (undergraduate)</li> <li>3. Limnology (undergraduate)</li> <li>4. Aquatic Ecology (undergraduate)</li> <li>5. Mariculture Management (undergraduate)</li> <li>6. Oceanography (undergraduate)</li> </ol>	
Academic career	<ul style="list-style-type: none"> <li>• Master, Aquatic Sciences, Field study: Aquatic Resource Management University Bogor Agricultural (2007-2010)</li> <li>• Bachelor, Fisheries, Field study: Aquatic Resource Management University Diponegoro (1999-2003)</li> </ul>	
Employment	Lecturer, Faculty of Fisheries and Marine, Universitas Airlangga	
Research and development projects over the past five years	2016	Effect of Silica Sand in Water Filter To Decrease Detergents level
	2015	The Used of Activated Carbon to Reduce The Compound of Detergent in Water
	2014	Effectiveness of Zeolites Reducing Detergents Content at Kalimas River Surabaya
Publications International past five years	2016	The Potential of Silica Sand to Reduce Detergent Compounds in Water International Fisheries Simposyum 2016, Phu Quoc Island, Vietnam National Journals – Published
	2016	The addition of papain on commercial feed to growth rate, feed conversion ratio and survival rate of eel fish ( <i>Anguilla bicolor</i> ) stadia elver Vol. 8, No. 2 November 2016 Scientific Journal of Fisheries and Marine
	2016	Relation between water quality and endoparasite prevalency on nile tilapia ( <i>Oreochromis niloticus</i> ) intestine in urban farming program float cage, urabaya city Vol. 5, No. 3 September 2016 Journal Of Aquaculture And Fish Health
	2016	Effect of different commercial probiotics to the C:N and N:P ratio of media culture biofloc at tubs trial Vol. 5, No. 3 September 2016 Journal Of Aquaculture And Fish Health
	2015	The Use of Activated Carbon to Reduce The Compound of Detergent in Water International Fisheries Simposyum 2015, Penang, Malaysia
	2015	Alternative feed from vegetable waste for black tilapia ( <i>Oreochromis niloticus</i> ) Vol 7, No. 1. April 2015 Scientific Journal of Fisheries and Marine
	2015	Viral nervous necrosis (VNN) examination at fish by polymerase chain reaction (PCR) method Vol. 7, No. 2 November 2015 Scientific Journal of Fisheries and Marine
	2015	The basic histology technique of urabay fish ( <i>Osphronemus gourami</i> ) Vol. 7, No. 2 November 2015 Scientific Journal of Fisheries and Marine
	2014	The Effect of Zeolite to Reduce The Detergent at The Kalimas River, Surabaya International Fisheries Simposyum 2014,

	2014	Surabaya, Indonesia Monitoring of fishery with fishing gear urabaya line in the prigi nusantara fishing port, trenggalek district, east java province Vol 6, No. 1. April 2014 Scientific Journal of Fisheries and Marine
	2014	Detection of lead in tilapia ( <i>Oreochromis niloticus</i> ) along the kalimas river in surabaya Vol 6, No. 1. April 2014 Scientific Journal of Fisheries and Marine
	2014	Applications of addition earthworms ( <i>Lumbricus rubellus</i> ) on feed of sangkuriang catfish ( <i>Clarias</i> sp.) Vol. 6 – No. 2. November 2014 Scientific Journal of Fisheries and Marine
	2014	Monitoring of water quality on rearing ponds of vannamei shrimp ( <i>Litopenaeus vannamei</i> ) in situbondo, jawa timur Vol. 6 – No. 2. November 2014 Scientific Journal of Fisheries and Marine
	2013	Study Levels of Heavy Metal Lead (Pb) in Sea Water and Sediments in Coastal Waters of Kenjeran, Surabaya and Coastal Waters of Branta, Pamekasan, Madura International Fisheries Symposium 2013, Pattaya, Thailand
	2013	Application of black soldier fly larval ( <i>Hermetia illucens</i> ) as feed and artificial feed (pellets) for rainbow kurumoi fish ( <i>Melanotaenia parva</i> ) Vol 5, No. 2. November 2013 Scientific Journal of Fisheries and Marine
	2013	Raffinose exploration cotton seeds lieu of formalin in preserving fish Vol 5, No. 2. November 2013 Scientific Journal of Fisheries and Marine
Book	-	
Patent and protected right	-	
Participation in specialist organisations over the past five years		Indonesian Aquaculture Society