



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Biology</a>
Manuscript Number:	Ms_AJOB_36619
Title of the Manuscript:	WATER QUALITY STATUS OF RIVER DONAN DUE TO OPERATIONAL REFINERY PERTAMINA UNIT IV CILACAP-CENTRAL JAVA-INDONESIA
Type of the Article	Case study

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	<p><b>This study presented the water quality status for river Donan</b></p> <ol style="list-style-type: none"> <li>1- For physical and chemical parameters the samples must be collected seasonally and the data must be expressed as mean value <math>\pm</math> sd</li> <li>2- The sampling time must be mentioned</li> <li>3- Reference materials or spiking must be used for quality control and quality assurance</li> <li>4- The manuscript lack the scientific methodology</li> <li>5- Language correction is needed by native speaker</li> <li>6- Dissolved organic matter must be measured</li> </ol>	<p>➤ I have tried to fix it Research using survey method and data analysis is done descriptively qualitative, that is by explaining what happened by giving sufficient explanation based on facts obtained in field and result of laboratory analysis,</p> <p>- Analysis of heavy metal content using AAS (Atomic Absorption Spectrophotometry) <sup>(11,13)</sup>, total suspended solids (TSS) suspension with method gravimetrically <sup>(4)</sup>. Research using survey method and data analysis is done descriptively qualitative, that is by explaining what happened by giving sufficient explanation based on facts obtained in field and result of laboratory analysis,</p> <p>➤ I have tried to fix it Water quality based on plankton and benthos diversity is calculated by using the shannon winner diversity index as follows <sup>(1)</sup>:  <math display="block">H = - \sum p_i \ln p_i</math> Information:  pi = comparison of the number of individuals of a type with the whole type  The pollution index is divided into four categories:  2.0 = Unaffected  2.0 - 1.6 = Pure Light  1.5 - 1.0 = Medium Medium  &lt;1.0 = Seriously Weight</p> <p>➤ I have tried to fix it Dissolved organic matter should be measured, whether it is Dissolved Residue and Suspended Residue or ORGANIC CHEMICALS (Oil and fat Detergent as MBAS, Phenol compounds as Phenol). Because the rules in our country use the parameters that have been set</p>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		