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| Book Name: | [Research Advances in Environment, Geography and Earth Science](https://www.bookpi.org/bookstore/product/research-advances-in-environment-geography-and-earth-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_2912** |
| Title of the Manuscript: | **Prediction of sediment quality based on the concentration of heavy metals Cu, Zn, and Ni in Jakarta Bay using the index analysis approach** |
| Type of the Article | **Book chapter** |

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| PART 1: Review Comments | | |
| Compulsory REVISION comments | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | This study was to predict the concentration of heavy metals Cu, Zn, and Ni in sediments and to predict the sediment quality based on an index analysis approach (contamination factors, geo accumulation index, pollution load index, ecological risk index, and potential ecological risks index). The sediment sample taken by using a sediment grab in Jakarta Bay. Heavy metal content measured by using Atomic Absorption Spectrophotometer (AAS). |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **YES** |  |
| **Are subsections and structure of the manuscript appropriate?** | **YES** |  |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.** | The total levels of heavy metals detected in surface sediments Jakarta Bay waters corresponded to the order: Zn>Cu>Ni. Some of the levels of heavy metals in sediments in Jakarta Bay are still following the sediment quality standards, but some of them have passed the sediment quality standard. When referring to PLI values, sediments in these waters are generally categorized as polluted (PLI >1); when referring to potential ecological risk, sediment in the waters include low ecological risk and low potential ecological risk. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **YES** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | YES |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Raju Potharaju** |
| Department, University & Country | **CKM Govt Arts & Science College, India** |