Review of: "Assessment of Quality of drinking waterbased on the water quality index method in Hawassa Zuria Woreda, Sidama Regional State, Ethiopia"

Dr. Amit Sharma[1]

1 Central University of Himachal Pradesh

Potential competing interests: No potential competing interests to declare.

The paper "**Assessment of Quality of Drinking Water based on the Water Quality Index Method in Hawassa Zuria Woreda, Sidama Regional State, Ethiopia**" provides valuable insights into the assessment of drinking water quality using the Water Quality Index (WQI) method. The study focuses on the specific geographical area of Hawassa Zuria Woreda in the Sidama Regional State of Ethiopia. The findings contribute to our understanding of the water quality situation in this region and provide important information for local water management and public health considerations.

The utilization of the Water Quality Index method is appropriate for assessing the overall water quality in the study area. This method allows for the integration of multiple water quality parameters, providing a comprehensive evaluation and facilitating a comparative analysis with national or international standards.

The paper demonstrates a thorough approach to data collection and analysis, ensuring the reliability and accuracy of the findings. The use of appropriate sampling techniques, laboratory protocols, and quality assurance measures enhances the robustness of the study.

The paper's reporting style is clear and concise, making it accessible to a wide range of readers, including policymakers, water management authorities, and the general public. The presentation of results and their interpretation aids in understanding the implications for local water quality management.

Detailed methodology description: While the paper briefly mentions the utilization of the Water Quality Index method, providing a more detailed explanation of the calculation procedure, parameter selection, and weighting scheme would enhance the transparency and replicability of the study. This information would enable readers to better understand and evaluate the results. It would be valuable to include a section discussing the limitations of the study. Addressing potential sources of bias, constraints in data availability, or any other factors that may have influenced the results would strengthen the paper's overall scientific rigor and provide a more comprehensive perspective. Consider including a section on future research directions or recommendations. This would allow readers to gain insights into potential follow-up studies or interventions that could further improve water quality in the study area.

Overall, "Assessment of Quality of Drinking Water based on the Water Quality Index Method in Hawassa Zuria Woreda, Sidama Regional State, Ethiopia" presents a valuable contribution to the field of water quality assessment. Addressing the

suggested improvements would further enhance the paper's scientific rigor and provide valuable insights for local water management and public health decision-making processes. I think manuscript is suitable for publication after minor revision