



Water Quality Monitoring Programmes in Ethiopian Towns: A Survey Research Survey

Yohannes Assefa^{1,2}, Amsalu Abera³, Mamo Gebrehiwot^{4,5}

¹ Adama Science and Technology University (ASTU)

² Department of Interdisciplinary Studies, Mekelle University

³ Department of Interdisciplinary Studies, Adama Science and Technology University (ASTU)

⁴ Addis Ababa Science and Technology University (AASTU)

⁵ Department of Advanced Studies, Mekelle University

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Correspondence: yassefa@aol.com

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Author notes

Yohannes Assefa is affiliated with Adama Science and Technology University (ASTU) and focuses on African Studies research in Africa.

Amsalu Abera is affiliated with Department of Interdisciplinary Studies, Adama Science and Technology University (ASTU) and focuses on African Studies research in Africa.

Mamo Gebrehiwot is affiliated with Addis Ababa Science and Technology University (AASTU) and focuses on African Studies research in Africa.

Abstract

Water quality monitoring programmes are crucial for ensuring safe drinking water supply in Ethiopian towns, where access to clean and potable water is often inadequate. A structured questionnaire was administered to stakeholders including town councils, health centers, and community leaders. Data collection took place from January to March across ten randomly selected towns in Ethiopia. The survey revealed a significant variation ($p < 0.05$) in the compliance rates of water treatment plants with recommended standards between different towns. While some programmes show promising results, there is a need for increased funding and technical support to enhance their effectiveness. Stakeholders should prioritise training for community health workers and regular maintenance of water infrastructure to improve monitoring protocols.

Keywords: Ethiopia, Geographic Focus, Water Quality, Monitoring Programmes, Safe Drinking Water Supply, Quantitative Research, Sampling Techniques

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