

Perception Study on the Environmental Ramifications of Inadequate Drainage Systems in Jere Local Government Area, Borno State, Nigeria

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Abstract : Flooding is a significant threat to human lives, particularly in low- and middle-income nations. This study focuses on the environmental implications of inadequate drainage systems in the Jere Local Government Area of Borno State, Nigeria. By examining community awareness, understanding, and perceived impacts of the absence of drainage systems, as well as exploring potential solutions, this research aims to address the existing knowledge gap. The study focuses on the Fori and 202/303 Quarters, chosen for their lack of drainage infrastructure and environmental challenges. Primary data was collected through questionnaires and observations supplemented by secondary sources. The findings highlight the need for increased awareness of drainage systems and the consequences of inadequate infrastructure. The community faces challenges like flooding, water-logging, contamination of drinking water, waterborne diseases, and property damage, necessitating the implementation of proper drainage systems. Recommendations include prioritizing new drainage systems, awareness campaigns, community participation, involvement of local government and leaders, and regular maintenance. Long-term planning is crucial for integrating drainage infrastructure into future development. Implementing these recommendations will establish sustainable and resilient drainage systems, mitigating environmental hazards. This research provides valuable insights for policymakers, stakeholders, and communities in addressing insufficient drainage systems and safeguarding the community's well-being.

Keywords : environment, drainage systems, flooding, lack

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