

Development of Affordable and Disaster-Resistant Housing Initiative

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Abstract: *This research document introduces a blueprint for a housing project in Sison, Surigao del Norte, aiming to achieve both cost-effectiveness and resilience against hazards. The financial burden of rebuilding homes post natural disasters has long weighed heavily on low-income households, often leading to the compromise of crucial disaster-resistant construction practices. The subsequent project design incorporates a range of methods and factors, encompassing environmental assessments, housing adaptability, interior arrangements, structural considerations, and cluster units that offer a convenient approach to reconfiguring existing housing layouts and types. The obtained results affirm the project's robustness against natural perils like earthquakes and storms. Additionally, the designed project aligns with the stipulated requirements of the Housing and Land Use Regulatory Board (HLURB). It's noteworthy that the designs were not only economically viable but also resilient to hazards, making the project financially feasible.*

Keywords: affordable, disaster resistant, housing, resilience

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