

ASSESSING THE INVENTORY AND HAZARD MANAGEMENT ON THE SELECTED MICRO-ENTERPRISES ALONG BARANGAY BAGONG SILANGAN, QUEZON CITY

ABSTRACT

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Inventory management involves controlling stock levels to meet demand while minimizing costs and waste. Hazard management encompasses the proactive identification, assessment, and mitigation of risks to protect people and assets. This study assesses inventory and hazard management practices in five micro-enterprises along Barangay Bagong Silangan, Quezon City, and examines the relationship between these two operational dimensions. A quantitative correlational design is employed, with purposive sampling used to select five micro-enterprises. A structured survey questionnaire is administered to gather data on inventory control procedures and hazard mitigation measures. Scores for each practice area are calculated using weighted mean, and the relationship between inventory and hazard management is assessed via Pearson's correlation. The micro-enterprises demonstrated very high performance in inventory management (overall weighted mean = 3.68) and hazard management (overall weighted mean = 3.55). Pearson's correlation yielded a low positive relationship ($r = 0.332$) between inventory and hazard management. The two-tailed significance test produced a p-value of 0.422, indicating that the relationship was not statistically significant at the 0.05 level. These findings supported the null hypothesis of no significant relationship between inventory and hazard management. Reported challenges included overstocking, inconsistent tracking, fluctuating demand, limited resources, delayed hazard recovery, and lack of preparedness. An improvement plan is proposed to enhance both inventory controls and hazard mitigation practices, focusing on demand forecasting, record-keeping systems, resource allocation, emergency response protocols, and regular safety training.

RECOMMENDED CITATION

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