

WASTE ANALYSIS AND CHARACTERIZATION STUDY FOR  
GUIMARAS STATE COLLEGE – SALVADOR CAMPUS

A Project Study

Presented to

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Diploma in Environmental Resource Management and Technologies

major in Solid Waste Management

By

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# **WASTE ANALYSIS AND CHARACTERIZATION STUDY FOR GUIMARAS STATE COLLEGE – SALVADOR CAMPUS**

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## **ABSTRACT**

This study conducted a waste analysis and characterization study (WACS) of wastes generated in Guimaras State College – Salvador campus. All daily wastes collected and stored in the Residual Containment Area of the college were analyzed considering the manageable amount of wastes of analysis. Results that showed that Guimaras State College – Salvador campus generates approximately 245 kg of wastes/week or an average of 35.12 kg per day which results in a daily waste generation rate of 0.013 kg/ capita-day and average bulk density of 98.08kg/m<sup>3</sup>. Results also revealed that 62.76% of the wastes generated by the College are non-residuals composed of biodegradables (18.92%) such as food and kitchen wastes and yard wastes, and recyclables (43.84%) such as paper, cardboards, rigid plastics, glass and metals. On the other hand, residuals only made up 37.25% of the total collected wastes composed of soft/ foamed plastics, composite packaging and sanitary composites. The generation of biodegradables and recyclables showed earning potentials for the college.