

## ABSTRACT

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*Sampling or inspection techniques in the laboratory is an action and specific inspection procedures by taking material or samples of patients, which can be formed as urine, blood, sputum, etc in order to determine a diagnosis or to help determine the diagnosis of disease. It aims to inspect the patient's disease and monitoring the progress of treatment for a certain type of disease through the required checks. Eventually, the inspection result of the samples will be processed as well to obtain an overall report of the sample result. SMS Gateway is a technology which can connecting client with a computer that can be sent through SMS which is usually used to share large amounts of information. Everyday, a lot of patients do a checking in the laboratory, it makes lab personnel are very difficult to find the patient data to be made a report of the sample because the sample results are only recorded in a ledger and the report of the sample result is executed with typewriters. The purpose of the execution of this application is to make sample data more organized, ease the search process and report of the sample results more quick without having to be typed on a typewriter. SMS Gateway makes it easier to convey information to laboratories, physicians and patients. Because it require considerable time to inspect samples of these patients depends on the doctor's diagnosis in order to get the results of these samples.*

*Keyword: Sampling, SMS Gateway, Sample Processing*