

ABSTRACT

DORIA, PAOLO GABRIEL G., and TORRES, JOHN JAYSON S., Development of Coffee Monitoring Support through Mobile Application for National Coffee Research, Developement and Extension Center (NCRDEC). Undergraduate Thesis. Bachelor of Science in Information Technology. Cavite State University, Indang, Cavite. April, 2014. Adviser: Ms. Vanessa G. Coronado.

The system entitled “Development of Coffee Monitoring Support through Mobile Application for NCRDEC” was developed to help the said organization avoid the slow gathering and processing of coffee farms data, help the coffee farm observer or farmer in lessening the burden of conducting assessment on farms and setting up innovative technology on agricultural field of coffee production. It identifies the problems of existing manual process of gathering and consolidating of data through conducting researches and interviews.

The significance of the study was innovative because the client gained idea about what technology trends today that can help them in their agricultural activities, specifically the mobile application. The Coffee Monitoring Support Mobile Application provides portability that can lessen the burden of a farmer during his site assessment or when he is conducting site observations. The system helps the clients in terms of data gathering and consolidation, even in storing data were secured in their database thereby providing integrity since the information that they gathered plays a critical part for the productivity of their coffee farms. After conducting the evaluation, the authors established the following recommendations for the enhancement of the system; allow viewing and accessing most of the data stored in the database of NCRDEC and its other

branches using one device with the mobile application. Since the application focuses on data integrity, thus only limited data can be accessed and one mobile device was allowed. Make the mobile application resolution friendly that resolution be automatically adjusted depending on the device resolution specifications resulting in flexibility of the application so that any mobile device can be used without considering the limitations on resolution and include a feature on the application in which it can capture and store the actual picture of the coffee plant during assessment for future references.