

## ABSTRACT

***DESIGN AND BUILDING OF A WEBSITE-BASED PINEAPPLE PROCESSING  
INFORMATION SYSTEM (SIPENA) USING AGILE  
(CASE STUDY: BELUK PEMALANG VILLAGE)***

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*Beluk Village, located in Beluk sub-district, is known as the largest pineapple producer in Pematang Rejang Regency. Through interviews conducted with Mrs. Suniyah as an official from Beluk Village, she said that around 85% of the people of Beluk Village earn their livelihoods related to pineapples, either as farmers or pineapple collectors. Only around 10% of the Beluk village community processes pineapple agricultural products into processed pineapple products. Farmers lose the opportunity to add value to their products because they do not process them first so that the income they earn is not commensurate with their performance. To overcome this, we need a platform or one that can serve as a medium for information and public education regarding the importance of pineapple processing. The method used to build a pineapple processing information system is using the Agile method. Based on the results of black-box testing on the SIPENA (Pineapple Processing Information System) website, it can be concluded that the majority of features that have been tested are successful and have pass status because the expected result is the same as the actual result obtained. This test can be seen from the overall test success rate of around 99.87%, which shows that testing has generally been effective and almost all features have been successfully tested.*

***Keywords: Design, Pineapple Processing, Website, Agile.***