



IoT Based : Agricultural Care System for Farmer

PRAGMA36

Student Steering
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Farmers in Indonesia

2013
38.07%

-9.28%

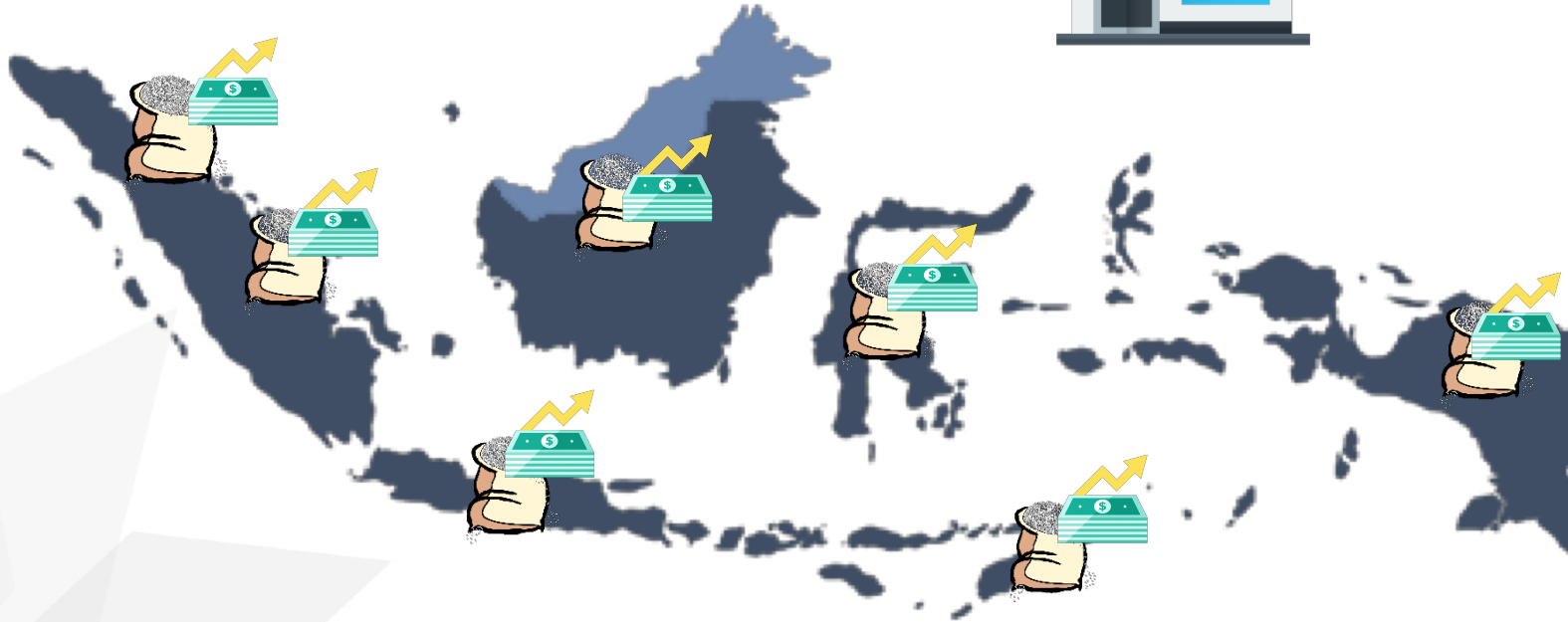
2018
28.79%



2018 =



3%



INTRODUCTION



SIPERAWAN is a new innovation in developing agricultural land. This system helps farmers to control all agricultural land from a distance only by using an Android smartphone.



Objectives and Benefits



Help farmers to monitor and maintain of their agricultural land.



Help farmers to develop agricultural land by utilizing Android smartphone.



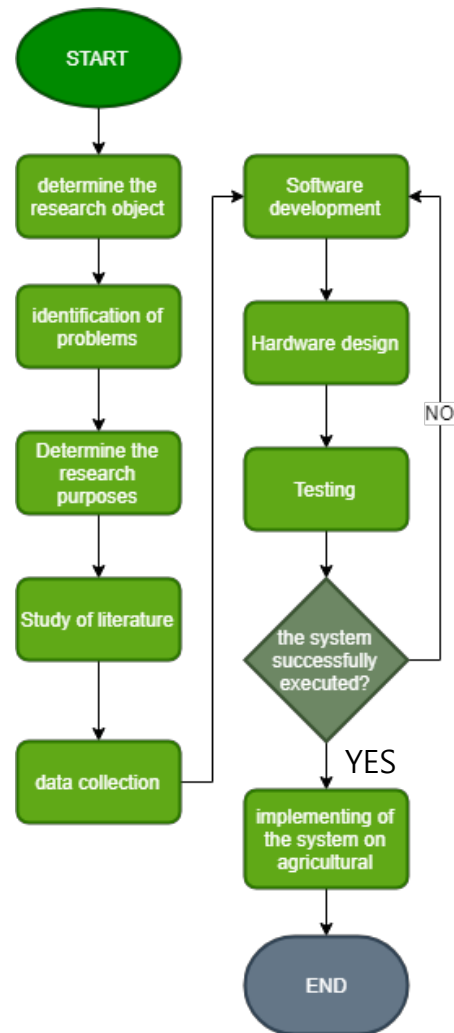
Make a contribution in the field of agriculture for the advancement of the future of agriculture in Indonesia.



The results of developing this system can be used as a system that makes it easier for farmers to do farming.



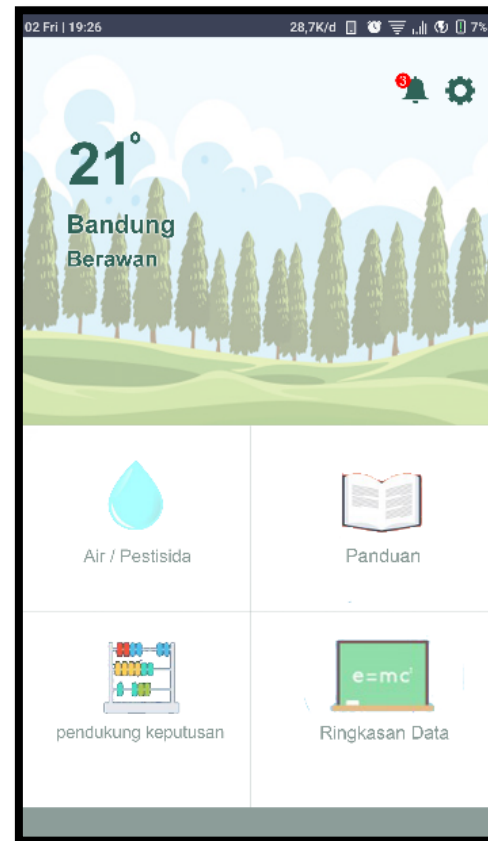
Methodology



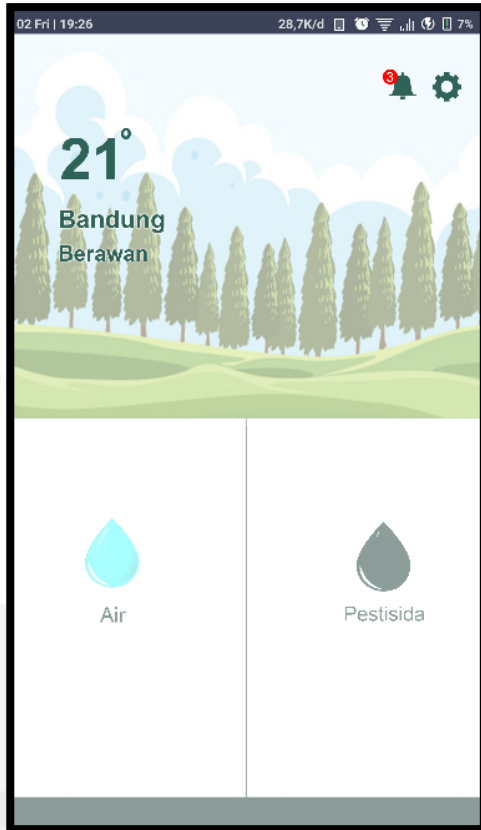
Work Process



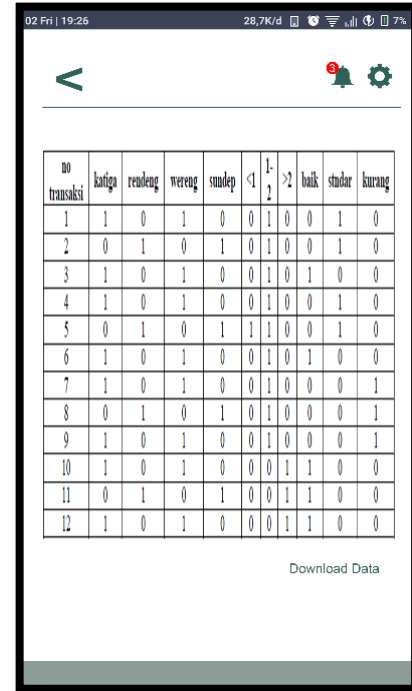
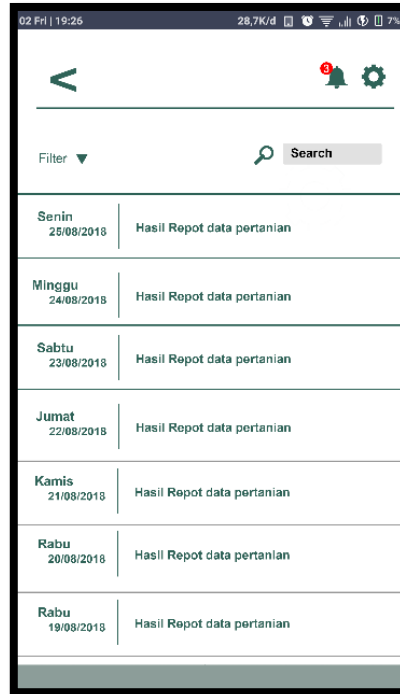
User Interface



User Interface



User Interface



Development and Progress

this system is still under development. the progress that has been achieved at this time is the electric faucet control feature used to water plants in the form of water or pesticides using an android smartphone. another feature is knowing the soil moisture that is integrated with an android smartphone. furthermore, we will develop temperature features in the agricultural area, and plant reports every hour sent to the app.



A cluster of overlapping geometric shapes in the top-left corner, including a light blue triangle, a teal triangle, a light green triangle, a red triangle, and a purple triangle.

Thank You

A cluster of overlapping light gray geometric shapes in the bottom-right corner, resembling a stylized flower or star.