Abstract

Cactus is a succulent plant that requires regular monitoring in its care. Water content on cactus plant media excess or less, can affect the growth of cactus plants. Even decay can happen.

Farmcact is an IoT-based app that connects to android apps. This apps workflow is by detecting moisture content in planting medium. Furthermore, the system will provide notification to the user via smartphone, that the moisture on the planting medium does not comply with the standards set. In addition, the system also displays the history of moisture of planting media that is monitored periodically. So the cactus owner does not need to monitor the cactus planting media every time. This application can be used anywhere, as long as the smartphone used to connect to the Internet network.

Keywords: *cactus , IoT, moisture, smartphone, user friendly*