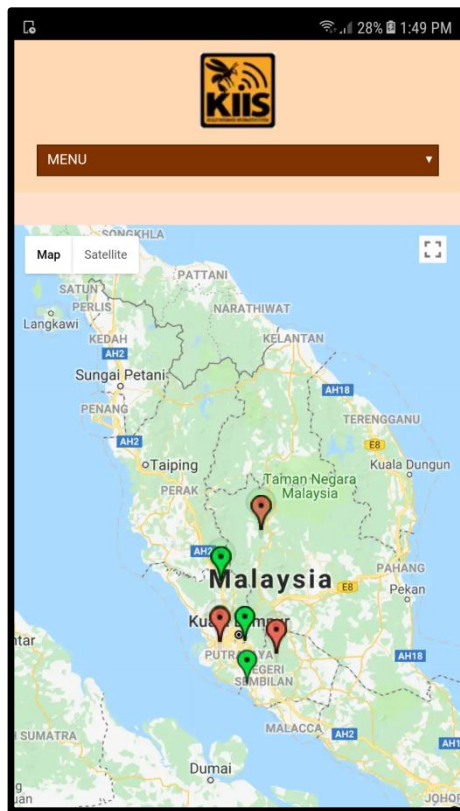
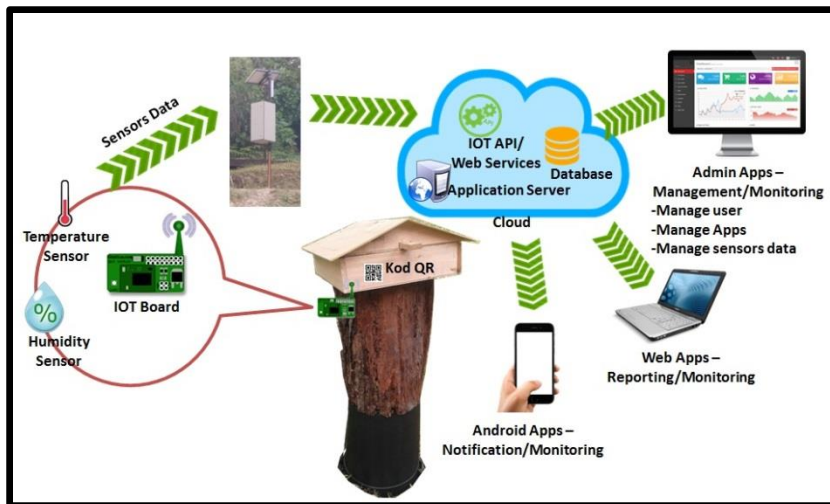




KELULUT INTEGRATED INFORMATION SYSTEM (KIIS)

KIIS has IoT (Internet of Thing) based device that uses digital sensor to measure the temperature and humidity of stingless bee (Kelulut) hive automatically, periodically and in real time. The device sends these data wirelessly to the base station via wireless sensor network (WSN) and subsequently to the cloud server via gsm/gprs module before they can be accessed via Web PC and android based smartphone. The system has alert function which notifies the bee keeper for any high temperature bee hive so that any necessary action can be taken. KIIS is for the bee keepers to continuously monitor the temperature of their bee hives so that the colony will stay productive, thus producing more honey regardless of the climate temperature. Traditional temperature monitoring is by taking the temperature manually, once in a day or when necessary. It is also troublesome and risky since the bee keeper will be besieged and invaded by the stingless bee. KIIS device was placed at the Kelulut's hive to perform the same function but without hassle. The use of IoT in monitoring Kelulut farming will help increase the honey productivity thus generating more income to the bee keeper.



Contact:

Hamidah Sidek

Director
Industrial Centre of Innovation in Sensor
SIRIM Industrial Research

DID: (603) 5544 5850 H/P: (6012) 655 7818 Email: hamidahs@sirim.my



MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY