**LITERATURE SURVEY**

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| **S.NO** | **PAPER**  **TITLE** | **AUTHORS** | **DESCRIPTION** |
| **1.** | Getting Young People to Farm: How Effective Is Thailand’s Young Smart Farmer Program? | Para Jansuwan,  Kerstin K. Zander. | In 2014, the Thai government initiated the Young Smart Farmer (YSF) program to  counter the decline in the number of young people involved in farming. The YSF program has  three desired outcomes: first, to increase participants’ financial independence; second, to enhance  the adoption of innovative farming methods; and third, to retain participants in the long-run by  satisfying them. |
| **2.** | Aquarium fish smart farming on IoT and mobile application technology. | Kittikhun Meethongjan, Suwit Kongsong. | The smart agriculture system played with an automation system and monitoring system based on wireless sensor networks. It can collect data from different sensors deployed at various nodes and sends it through the wireless protocol. In smart agriculture, Arduino mainboard of IOT system consists of temperature sensor, moisture sensor, water level sensor, DC motor and GPRS module. |
| **3.** | Smart Farmer Application in Monitoring and Learning of  Android-based Rice Cultivation | Rian Farta Wijaya, Andysah Putera Utama Siahaan, Rahmad Budi Utomo, Debi Yandra Niska | Smart Farmer application is made to be a medium of  help for young Farmers who do not have sufficient knowledge in conducting farming activities. The Smart  Farmer application is created by presenting relevant information such as cultivation techniques, diseases, pests,  and benefits related to rice plants. |
| **4.** | Smart Farmer System | Athrva Dalvi, Shefali Kulkarni, Utsavi Kulkarni, Shweta Todkar | The system proposes to predict the accurate crop prediction  based on the past and live data that is analyzed using  supervised machine learning algorithm, SVM. Both the live  data as well as the big data is stored and retrieved from cloud |
| **5.** | Social Media for Smart Farmer-Shared Farming Equipment Model | Wuttipong Pongsuwan, Hongladda Pongsuwan | The model of shared farm equipment could lead to new farmers’ way of life and it’s time to become smart-farmers. This paper will discuss important considerations, including the need for challenges, trends, and opportunities for farmers to have machinery when needed and to share what idle with others via a peer-to-peer network using mobile application platform. |