

Name of the project:

MOFEMENT PROJECT

Brief description of the idea

Microalgae, especially *Spirulina Plantesis* has a promising prospect for sustainable development. However, in fact, the cultivation of microalgae is developed with inefficient conventional farming method. Thus, it impacts on the low productivity and quantity of microalgae. To meet the demand and increase the supply of it, there is a challenge to create a technology that can address this problem.

MOFEMENT or called as "Automatic Feeding Machine based on Internet of Things" is an eco-friendly, affordable, and practical fertilizer spreader and automatic catalyst which can be used to monitor, control and log the condition of microalgae. This tool was created specifically for the purpose of increasing the productivity and the amount of microalgae.

This device has the specification as follows: used pipe; PCB board; some electronic components such as ESP 8266, web server (thingspeak.com); Micro Servo Motor (MSM); light sensor; time sensor; processing unit; solar cell; and rice husk as a catalyst.

Proponent	Country
<p>State University of Malang And International Youth Symposium on Creative Agriculture</p>	<p>Indonesia</p>