

**COMPREHENSIVE SEMESTRAL REPORT ON FIELD PRACTICE AT THE
CENTRAL LUZON STATE UNIVERSITY - CENTER FOR RENEWABLE
ENERGY AND TECHNOLOGY (CLSU-CREATE)**

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ABSTRACT

DAGARAG, RAYMARK L. Department of Agricultural and Biosystems Engineering, College of Engineering, Central Luzon State University, Science City of Muñoz, Nueva Ecija, **June 2023. COMPREHENSIVE SEMESTRAL REPORT ON FIELD PRACTICE AT THE CENTRAL LUZON STATE UNIVERSITY - CENTER FOR RENEWABLE ENERGY AND TECHNOLOGY (CLSU – CREaTe)**

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The field practice program aimed in developing student's skills in the different fields in Agricultural Biosystems Engineering. In the field practice program, it allowed the student to apply the learned theories in the classroom into actual practice and it develops the perspective in the field of Agricultural Biosystems Engineering.

During the apprenticeship at the Central Luzon State University – Center for Renewable Energy and Technology (CLSU – CREaTe), the student was given a specific activity to perform. The first activity, were modification of small farm vehicle. The activity was done which include fabricating a compact vehicle which can be moved easily in the fields. The need for improvisation in agriculture is very much essential, it is important to fill the gap between farmers and technology implementation.

The student assisted the CLSU – CREaTe personnel in the restoration and development of turbine and frame of pump and engine. Together with the student preliminary testing of the model was conducted. The apprentice assisted in the testing of the water pump. The 3x3 pump water was tested to determine the discharge of the pump. The observation could attributed to various type, including the engine's performance, the condition of the pump, or other variables affecting the engine's efficiency.

In the last activity the student assisted the person in charge restoration, fabrication, assist other student and attend activity of CREaTe.

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