



ABSTRACT

Baybay, C.A., Collamat, M.A., So, N.D., Production of Craft Paper Out of Cogon Grass and Used Paper Utilizing the Developed Machine. Bachelor of Science in Mechanical Engineering – De La Salle University Dasmariñas, Cavite.

Cogon grass has been a serious pest for many places for a long time, especially in the Philippines. Cogon grass is considered a pest in the rice fields in our country and many farmers are having a hard time in getting rid of them. There are many studies about using cogon grass as a raw material in making livelihood products. But it is not enough to exterminate this pest in the fields. They are growing everywhere in the world, and it is quite difficult to kill this type of grass.

On another note, the problem would be the reduction, reusing, and recycling of trash, particularly paper. What these two have in common is that they can be combined to become slurry which then turns into a craft paper. Many have tried to create this craft paper and have successfully done so.

This study is about making a machine, utilizing cogon grass and used papers as raw materials to produce a decorative paper most likely a craft paper. Cogon grass and used papers can be combined to create slurry that will be placed in the machine to produce craft paper. The paper that was produced by the machine was compared from the craft papers that are available in the market today. The paper that was



produced by the machine had similarities in terms of texture, thickness, and color with the commercially available craft paper.

This machine can produce craft paper one at a time. For further studies, there are some recommendations and suggestions for the improvement of the machine.

