BUILDING AUTOMATIC IRRIGATION SYSTEM FROM WAVE ENERGY

[1]NGUYEN HOANG DANG KHOA, [2]TRAN LAM HUYEN TRANG, [3]PHAM THI HONG LAM, [4]LE CONG NHAN

Tran Hung Dao High School, Sai Gon University, Ho Chi Minh city, Viet Nam
E-mail: glv.vincent.khoa@gmail.com

Abstract - This research was undertaken to test automatic irrigation system from mechanical wave energy. The system was applied in a small vegetable garden along the river. The results proved that the irrigation system works; we were able to receive a lot of water to irrigate the garden. In the same manner, I hope I will able to apply the project in more areas, especially the vegetable gardens and the rice fields along the Mekong River where the boats usually move through the canal network. This model will help the farmers by providing automatic irrigation system, reducing the labor work force and protecting environment.

Index Terms - Automatic Irrigation System, Wave Energy.