

Training on the Utilization of Automatic Turtle Nest Monitoring Tools in the Pelangi Beach Turtle Conservation Area, Bantul, Yogyakarta

by Purno Tri Aji, Eko Marpanaji, M.Izzudin Mahali, M.Irfan Lutfi

ABSTRACT

The existence of all turtle species has experienced a fairly high population decline and has even been categorized as threatened with extinction due to threats from natural and human factors. This Community Service Activity (PPM) is intended to introduce research and development technology in the form of an internet of things-based automatic turtle nest monitoring tool. This tool is equipped with an android application as a user interface. PPM activities are carried out in three stages, namely delivery of material, training and monitoring and evaluation. The material presented includes: (1) Description and how the tool works; (2) The role, function and benefits of the tool; (3) How to use the tool; (4) Troubleshooting tools. The training was attended by 10 participants who are members of the rainbow beach turtle conservation. The training is carried out offline with strict health protocols. The results of the evaluation, the training went smoothly and has increased the insight and ability of partners in terms of the use of automatic turtle nest monitoring tools in the context of turtle conservation in the southern coastal area of Yogyakarta.

Kata Kunci: *turtles, training, monitoring tools*