

ELECTRIC MOTOR REWINDING SKILLS TRAINING AS A PROVISION FOR ENTREPRENEURSHIP FOR THE COMMUNITY OF PIYUNGAN TIRTOSARI, SAWANGAN DISTRICT, MAGELANG REGENCY, CENTRAL JAVA

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ABSTRACT

In general, the objectives to be achieved in this Community Service program are (1). The people of Tirtasari village have knowledge about rewinding a single phase electric motor (2). The people of Tirtasari village have skills in rewinding a damaged electric motor (3). With the skills they already have, the people of Tirtasari village can use them as a means for entrepreneurship. In order to solve the problems that have been described, a classical theory learning process is carried out to the Tirtasari village community. In this study, the approach is: lectures, questions and answers with appropriate tools/media (original objects of water pump motors). After finishing classical learning about electric motor theory, then training was carried out. In this training, practice is carried out starting from disassembling to rewinding and continued with machine testing until the machine can actually function again. To have skills, practice and practice must be done repeatedly. After a while, the service team planned to conduct an evaluation. The plan is as follows: (1). On-site interviews were conducted with participants, no later than 1 month after the training. The interview material is about the development of activities after the training (2). Seen the percentage of participants who have done rewinding work

The time used to do this service is in real 3 (three) days, Monday 28 to Wednesday 30 August 2017 from 08.00 to 14.00 with details: The first day conveys a brief theory about single-phase electric motors and motor windings. After the brief theoretical material was presented, the participants immediately carried out the practice of rewinding an electric motor that was damaged due to the winding being burned. The number of participants who can take part in the training is only 10 participants out of the expected 15 participants. Provided 5 units of damaged motors. So that each motorbike is re-wound by 2 participants. Pretty ideal amount. The time to carry out the training is very limited, which is only 3 days. At that time it was impossible for the participants to be proficient in rewinding. For that it took a relatively long time. Of the 5 groups of participants in rewinding, there is 1 group who can finish rewinding the damaged motor. After testing, the motor that has been rewinded can work well, can suck water according to the function of the motor. In post-training conditions, participants can consult the Department of Electrical Engineering Education, especially to the servants if they have difficulty in carrying out activities. This is a follow-up to the training program that has been carried out by the lecturer.

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Kata Kunci: *Training, rewinding. entrepreneurial supplies*