

**TRAINING PARTICIPATORY TO MAKE THE TOOL OF CHARCOAL FILTERING  
EFFORTS TO OVERCOME PROBLEMS OF SANITARY WATER** (Community  
Empowerment BY Experimental Study in community RT. 07 RW. 18 Residential Vila  
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**ABSTRACT**

This research is aimed to provide of knowledge and comprehension by training participatory tool manufacture charcoal filtration as an effort to overcome the problem of clean water RT. 07/RW.18 Kebalen Sub. This research use method of pre-experimental one-group, pretest-posttest, which the subject is RT.07/RW community. 18 Sub Kebalen. The population consists of 20 people and the sampling technique using purposive sampling. The sum of sample studied is fifteen people .The research data collected by questionnaire of instrument, observation, and the test of result (pre test-post test) has been tested previously by the validity and reliability, to determine the validity of the data.

Results of training participatory filtering tool manufacture charcoal to overcome water issues through the test results of the pre-test and post-test. which test values obtained of knowledge and comprehension the pre-test 15 respondents of 25 items about acquiring the average value 4.42 and post test to obtain an average value of 8.56. Experienced an increase in the average value of 4.14 after treatment participants given training tool manufacture charcoal filtration.

Analysis by t-test results obtained  $t_{count} 13.201 > 1.701$   $t_{table}$  so that this research it can be concluded that  $H_1: \mu_A > \mu_B$ , it is meaning success .The success caused by increasing of knowledge understanding of making charcoal filtering tool. It's has meaning the goal of research is success.

The conclusion that can be pulled from this study that the community can overcome the problems of water through charcoal filtering tool, so it can make use the availability of existing water RT.07/RW 18, environment . therefore, there will be incurred problems related to water. The training results in the form of charcoal filtering appliance products (activated carbon) used by participants to get clean water.

Key Word: Training participatory to make the tool of charcoal filtering, to overcome problems of sanitary water