

EXTENSION ABOUT THE GROUNDWATER CONSERVATION AND ITS INFLUENCE ON FARMERS KNOWLEDGE AND ATTITUDE IN TAKALAR REGENCY, INDONESIA

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ABSTRACT

This research was conducted in Takalar (Indonesia), in the area of agriculture since the early 1980s have made use of groundwater as irrigation water for irrigation of crops and paddy fields. The research was conducted to see the effect of the action outreach to increase farmers' knowledge about the existence of groundwater users of groundwater, as well as the improvement of farmers' attitudes towards the urgency of conservation of groundwater. The treatment in this study using extension methods, with the learning material that consists of 5 modules, respectively: (1) Groundwater & Process Formation; (2) Benefits and Utilization of Groundwater; (3) Mechanical recharge Groundwater; (4) Organizations user associations Groundwater (P3AT); and (5) Groundwater Conservation Urgency in Takalar. This research is a Quasi-Experimental Research; with research design is the Non-equivalent Control Group Design. A Result of research as: (a) There are differences in their knowledge of groundwater between before and after treatment (counseling) is given. (b) There is a difference of attitude scale farmers on soil, water between before and after treatment (counseling) is given. (c) Effect of treatment of the dimensions of attitude can be seen in correlation analysis attitude, quality improvement in the treatment group. From the discussion of these results, the authors conclude that; (i) Extension significant effect on the increase in farmers' knowledge about the existence of groundwater users; (ii) Extension significant effect on the increase in scale of farmer attitudes about the urgency of groundwater conservation on their farms; (iii) Extension strong influence on the three domains of knowledge (cognitive, affective, and psychomotor), and the effect of inter-domain knowledge in the domain a strong indication that a sequence (hierarchy skills); (iv) Extension weak to moderate effect on the five dimensions of attitudes (toward the attitude, the intensity of the attitude, the attitude breadth, consistency attitude and spontaneity); (v) In addition to the breadth of the influence attitudes and attitude consistency, also occurs a significant influence on the dimensions of the intensity of attitude towards the emergence of spontaneity.

KEYWORDS: Extension, Conservation, Groundwater, Knowledge & Attitude