

# DEVELOPMENT OF THE USE OF THE MANUAL OF A KIT OF IPA TO IMPROVE THE COMPETENCE OF TEACHERS OF IPA TEACHERS OF SMP IN MAGELANG DISTRICT

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## ABSTRACT

The objectives of this activity are to: (1) Training teachers to compile the use of SMP KIT IPA manuals, (2) Train teachers in arranging SMP IPA KITS, (3) increase the competence of pedagoi teachers in spending science with declarative materials and procedural. Participants in this activity were 28 teacher members of the MGMP IPA SMP Magelang District Sub Rayon 3. This activity was carried out through three trainings, attending theoretical training, making workshops for the Science KIT Manual, and installing evaluations. The method used in this activity is brainstorming, lectures, discussions, workshops and simulations. The results of the activities show that this PPM activity has succeeded in achieving the target of activities, ie most participants have succeeded in preparing the Natural Science KIT manual and are capable of supporting components as well as supporting the science experiments.

Kata Kunci: *science KIT, pedagogy, manual*