

**PENGEMBANGAN BUKU PETUNJUK PRAKTIKUM IPA BERBASIS
INKUIRI PADA MATERI DAUR AIR DI KELAS V SD**

(Penelitian dan Pengembangan di SDN Kelapa Gading Barat 01)

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Ade Mutma'ina

ABSTRAK

Penelitian pengembangan model ini bertujuan untuk menghasilkan buku petunjuk praktikum IPA dengan basis inkuiri pada materi daur air di kelas V SD. Responden dalam penelitian ini meliputi satu dosen ahli materi, satu dosen ahli bahasa, satu dosen ahli media, dan siswa kelas V SDN Kelapa Gading Barat 01 sebanyak 28 siswa. Metode yang digunakan yaitu metode penelitian dan pengembangan (R&D) dengan model Borg dan Gall. Dalam metode tersebut terdapat sepuluh langkah yang harus ditempuh, namun penelitian ini hanya sampai tahap ke sembilan. Pengumpulan data dilakukan dengan wawancara, observasi, dan angket. Hasil analisis data menunjukkan nilai rata-rata uji ahli sebesar 96,9%, angket sebesar 98%, dan hasil *pretest* sebesar 79 sedangkan hasil *post test* sebesar 90. Hasil tersebut diperoleh berdasarkan analisis data yang menggunakan statistik sederhana melalui *rating scale*. Berdasarkan kenaikan *pretest* dan *post test*, buku petunjuk praktikum IPA berbasis inkuiri pada materi daur air dapat dikatakan sangat baik. Oleh karena itu, buku petunjuk praktikum IPA ini dapat dijadikan sebagai sumber belajar alternatif bagi siswa yang dapat digunakan di sekolah maupun diluar sekolah.

Kata Kunci: Buku Petunjuk Praktikum IPA, Inkuiri

**DEVELOPMENT OF SCIENCE EXPERIMENT BOOK BASED ON INQUIRY
OF WATER CYCLE MATERIAL FOR V GRADE OF ELEMENTARY
SCHOOL**

(Research and Development at West Kelapa Gading 01 Elementary School)

(2017)

Ade Mutma'ina

ABSTRACT

The research development of this model aims to produce a Science's Experiment Book Based on Inquiry of Water Cycle Material for Fifth Grade of Elementary School. The respondents in this research include one lecturer of material expert, one lecturer of linguist expert, one lecturer of media expert, and students from fifth grade of West Kelapa Gading 01 Elementary School as many as 28 students. In this research, the method used research and development (R & D) with Borg and Gall model. There are ten steps in Borg and Gall model, but this research took nineth steps. The data were collected through interviews, observations, and questionnaire. Result of data analyzed showed by average percentage from expert review got 96,9%, 98% from students questionnaire, and pretest score 79 although post test score 90. The result based on data analyzed that used simple statistic through rating scale. According to increased of pretest and post test, the science experiment book based on inquiry of water cycle material was excellent. Therefore, the science experiment book based on inquiry of water cycle material for fifth grade of elementary school can be used at or out of school as alternative learning resources.

Keyword: Science Experiment Book, Inquiry