

**PENGEMBANGAN MODEL PEMBELAJARAN INKUIRI
BERBANTUAN VIDEO ANIMASI UNTUK MENINGKATKAN
KETERAMPILAN PROSES SAINS DAN KREATIVITAS
DALAM PEMBELAJARAN IPA PADA SISWA KELAS V SD DI
LINGKUNGAN GUGUS PRINGGABAYA, KECAMATAN
PRINGGABAYA, KABUPATEN LOMBOK TIMUR**

NURHAYATI

ABSTRAK

Penelitian ini bertujuan untuk: 1) mengetahui validitas model pembelajaran Inkuiri berbantuan video animasi, 2) mengetahui kepraktisan penerapan model pembelajaran Inkuiri berbantuan video animasi, 3) mengetahui efektivitas model pembelajaran inkuiri berbantuan video animasi secara simultan terhadap keterampilan proses sains dan kreativitas, 4) mengetahui efektivitas model pembelajaran inkuiri berbantuan video animasi terhadap keterampilan proses sains, 5) mengetahui efektivitas model pembelajaran inkuiri berbantuan video animasi terhadap kreativitas. Pengembangan model pembelajaran menggunakan desain 4-D. Metode pengumpulan data validitas model dan kepraktisan dengan angket, sedangkan uji efektivitas pada keterampilan proses sains dan kreativitas dengan observasi. Pengujian validitas model dilakukan dengan uji pakar dan hasilnya dianalisis dengan teknik lawshe untuk menghitung *content validity ratio* (CVR). Pengujian model pembelajaran inkuiri berbantuan video animasi melibatkan 101 siswa kelas V SD Kecamatan Pringgabaya, Kabupaten Lombok Timur. Analisis kepraktisan dilakukan dengan melihat respon guru dan siswa sebagai pengguna. Efektivitas model dianalisis dengan analisis multivariat (Manova) dan di transformasikan dalam *effect size* (ES) untuk menentukan efektivitas model terhadap keterampilan proses sains dan kreativitas siswa. Hasil penelitian menunjukkan bahwa model pembelajaran inkuiri berbantuan video animasi dinyatakan layak untuk diterapkan. Respon guru menyatakan sangat baik, respon siswa menyatakan baik. Model pembelajaran inkuiri berbantuan video animasi efektif meningkatkan keterampilan proses sains dan kreativitas siswa dalam pembelajaran IPA. Mengacu pada hasil tersebut direkomendasikan untuk menerapkan model pembelajaran inkuiri berbantuan video animasi untuk meningkatkan keterampilan proses sains dan kreativitas siswa dalam pembelajaran IPA di SD

Kata Kunci: Model Pembelajaran Inkuiri Berbantuan Video Animasi, Keterampilan Proses Sains, Kreativitas

DEVELOPING INQUIRY BASED LEARNING MODEL WITH ANIMATED VIDEO ASSISTANCE TO IMPROVE THE SCIENTIFIC PROCESSING SKILLS AND CREATIVITY ON NATURAL SCIENCE SUBJECT OF THE FIFTH GRADERS OF PRINGGABAYA EAST LOMBOK REGENCY

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ABSTRACT

This study aims to : 1) determine the validity of the inquiry based learning model with animated video assistance, 2) find out the practicality of the applied inquiry based learning model with animated video assistance, 3) determine the effectiveness of the inquiry based learning model with animated video assistance on scientific processing skills and creativity, find out whether the inquiry based learning model with animated video assistance has significant effect on scientific processing skills or not, 5) determine the effectiveness of the inquiry based learning model assisted by animated video on creativity. The development of the learning model employs 4-D design that involves five experts in its validation. The data collection for the validity as well as the practicality are collected with a questionnaire, while the data of the effectiveness of the model on scientific processing skills and creativity is collected through observation. Testing the validity of the model is carried out by expert testing and the results are analyzed using the Lawshe technique to calculate the content validity ratio (CVR. The test of the model involves 101 fifth graders from Pringgabaya district, East Lombok regency. Further, the analysis on the practicality is conducted by looking at the responses of teachers and students as users. The effectiveness of the model is analyzed by multivariate analysis (Manova) and transformed into effect size (ES) to determine the effectiveness of the model on scientific processing skills and students' creativity. The findings showed that the inquiry learning model assisted by animated video is declared feasible to be applied. The teacher's response reveals that the model is in excellent category. Likewise, students' response also reflects that the model is in good category. Inquiry based learning assisted by animated video is effective in improving students' scientific processing skills and creativity in science learning. Referring to these results it is recommended to apply an inquiry based learning model with animated video assistance to improve students' scientific processing skills and creativity in learning science in elementary schools.

Keywords: Inquiry based learning with Animated Video Assistance, Scientific Processing Skills, Creativity