

ABSTRAK

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**PENERAPAN MODEL *GENERATIVE LEARNING* MENGGUNAKAN
LEMBAR KERJA PESERTA DIDIK (LKPD) BERBASIS MODEL
PROBLEM SOLVING POLYA PADA KEMAMPUAN ANALITIS
MATEMATIS PESERTA DIDIK**

ABSTRAK

Penelitian ini adalah penelitian deskriptif kuantitatif dengan desain penelitian “*One-shot case study*” dimana suatu kelas dikenakan suatu penerapan model *generative learning* menggunakan LKPD berbasis model *problem solving* Polya setelah tu dilakukan pendeskripsian terhadap aktivitas guru, aktivitas peserta didik, kemampuan analitis matematis peserta didik serta respon peserta didik.

Subyek penelitian ini adalah seluruh peserta didik kelas VIII B SMP Muhammadiyah 8 Benjeng tahun pelajaran 2018-2019. Instrumen penelitiannya yang dipergunakan adalah lembar observasi aktivitas guru, lembar observasi aktivitas peserta didik, lembar angket respon peserta didik dan soal kemampuan analitis matematis peserta didik.

Hasil-hasil penelitian yang diperoleh adalah: (1) Aktifitas guru dalam penerapan model *generative learning* menggunakan Lembar Kerja Peserta Didik (LKPD) berbasis model *problem solving* Polya termasuk kategori baik dalam skala $70 \leq \leq 85$; (2) Aktifitas peserta didik dalam penerapan model *generative learning* menggunakan Lembar Kerja Peserta Didik (LKPD) berbasis model *problem solving* Polya termasuk kategori baik dalam skala $70 \leq \leq 85$; (3) Nilai kemampuan analitis matematis peserta didik adalah 76,96 termasuk kategori Baik. Nilai indikator membedakan adalah 76,28 termasuk kategori Baik, Nilai indikator mengorganisasi adalah 90,22 termasuk kategori Sangat Baik dan Nilai indikator mengatribusikan adalah 72,39 termasuk kategori Baik; (4) Respon peserta didik dalam penerapan model *generative learning* menggunakan Lembar Kerja Peserta Didik (LKPD) berbasis model *problem solving* Polya termasuk kriteria Baik untuk skala 70-100%.

Kata kunci: model generative learning, lembar kerja peserta didik (lkpd) berbasis model problem solving polya, kemampuan analitis matematis peserta didik

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THE APPLICATION OF GENERATIVE LEARNING MODELS USING STUDENT WORKSHEETS BASED ON THE POLYA PROBLEM SOLVING MODEL ON STUDENTS' MATHEMATICAL ANALYTICAL ABILITIES

ABSTRACT

This research is a quantitative descriptive with design a “once-shot case study” in which a class is subject to an application of the generative learning model using Student Worksheets based on the problem solving model after it has been described to teacher activities, student activities, mathematical analytical abilities of student and response of student.

The subjects of this study were all students of class VIII B SMP Muhammadiyah 8 Benjeng academic year 2018/2019. The research instruments used were teacher activity observation sheets, student activity observation sheets, questionnaire sheets for students responses and questions about students mathematical analytical abilities.

The results of the research obtained are: (1) Teacher activity in the application of generative learning models using student worksheets based on problem solving Polya models including Good categories on a $70 \leq \leq 85$ scale; (2) Activities of in the application of generative learning models using student worksheets based on problem solving Polya models including Good categories on a $70 \leq \leq 85$ scale; (3) The value of students mathematical analytical abilities is 76,96 including the Good category. The value of the differentiating indicator is 76,28 including the Good category, the organizing indikator value is 90,22 including the Very Good category, and the attributing indicator value is 72,39 including the Good category; (4) Positive student responses in the application of generative learning models using student worksheets based on problem solving Polya models including Good categories on a 70-100% scale.

Keywords: generative learning model, student worksheet based on the problem solving models, students mathematical analytical skills

