

ABSTRAK

Wahyunandini, Komang Anik (2025), Pengaruh Model *Problem Based Learning* Berbasis Kearifan Lokal Subak pada Materi Ekosistem terhadap Kemampuan Berpikir Kritis dan Hasil Belajar Peserta Didik SMA

Tesis ini sudah disetujui dan diperiksa oleh pembimbing I: Prof. Dr. Siti Maryam, M.Kes. dan Pembimbing II: Prof. Dr. Drs. I Wayan Suja, M.Si.

Kata-kata kunci: kearifan lokal subak; *problem based learning*; kemampuan berpikir kritis, hasil belajar

Penelitian ini merupakan penelitian kuantitatif dengan desain penelitian *pretests-posttest nonequivalent control group design* yang bertujuan menjelaskan dan mendeskripsikan: (1) pengaruh model PBL berbasis kearifan lokal subak terhadap kemampuan berpikir kritis dan hasil belajar peserta didik secara simultan dalam pembelajaran Biologi pada topik ekosistem, (2) pengaruh model PBL berbasis kearifan lokal subak terhadap kemampuan berpikir kritis peserta didik dalam pembelajaran Biologi pada topik ekosistem, (3) pengaruh model PBL berbasis kearifan lokal subak terhadap hasil belajar peserta didik dalam pembelajaran Biologi pada topik ekosistem. Teknik pengambilan sampel yang digunakan adalah *cluster random sampling* dengan populasi penelitian sejumlah 483 peserta didik dan jumlah sampel sebanyak 160 peserta didik terdiri atas kelas X₁, X₂, X₃, dan X₄ di SMA Negeri 1 Tabanan. Instrumen penelitian berupa tes kemampuan berpikir kritis dan tes hasil belajar. Analisis data menggunakan *Multivariate Analysis of Covariance (MANCOVA)*. Pengujian hipotesis dilakukan menggunakan taraf signifikansi 5%, uji hipotesis dilakukan setelah uji asumsi. Berdasarkan analisis data yang telah dilakukan, penerapan model PBL berbasis kearifan lokal subak berpengaruh signifikan terhadap kemampuan berpikir kritis dan hasil belajar peserta didik pada materi ekosistem. Melalui penerapan model PBL berbasis kearifan lokal subak dalam pembelajaran biologi diharapkan dapat meningkatkan kemampuan berpikir kritis dan hasil belajar peserta didik serta melestarikan kearifan lokal subak bersama masyarakat.

ABSTRACT

Wahyunandini, Komang Anik (2025), *The Effect of the Problem Based Learning Model Based on Subak Local Wisdom on Ecosystem Material toward Senior High School Students' Critical Thinking Skills and Learning Outcomes*

This thesis has been approved and examined by educator I: Prof. Dr. Siti Maryam, M.Kes. and educator II: Prof. Dr. Drs. I Wayan Suja, M.Si.

Keywords: *subak lokal wisdom; problem based learning; critical thinking skill, learning outcomes*

This study is a quantitative research employing a pretest-posttest nonequivalent control group design, aiming to describe and explain: (1) the effect of the Problem-Based Learning (PBL) model based on Subak local wisdom on students' critical thinking skills and learning outcomes simultaneously in Biology learning on the ecosystem topic, (2) the effect of the PBL model based on Subak local wisdom on students' critical thinking skills in Biology learning on the ecosystem topic, and (3) the effect of the PBL model based on Subak local wisdom on students' learning outcomes in Biology learning on the ecosystem topic. The sampling technique used was cluster random sampling, with a population of 483 students and a sample of 160 students consisting of classes X_1 , X_2 , X_3 , and X_4 at SMA Negeri 1 Tabanan. The research instruments consisted of a critical thinking skills test and a learning outcomes test. Data were analyzed using Multivariate Analysis of Covariance (MANCOVA). Hypothesis testing was conducted at a 5% significance level, following assumption testing. Based on the data analysis, the implementation of the PBL model based on Subak local wisdom had a significant effect on students' critical thinking skills and learning outcomes in the ecosystem material. Through the application of the PBL model based on Subak local wisdom in Biology learning, it is expected to enhance students' critical thinking skills and learning outcomes while also preserving the Subak local wisdom within the community.