

ABSTRAK

Farida Azzahra, 2024. Pengaruh Model Pembelajaran *Reading Identifying Constructing Solving Reviewing Extending* (RICOSRE) Terhadap Kemampuan Literasi Dan Keterampilan Proses Sains Peserta Didik Di Sekolah Menengah Atas Negeri 1 Tanjung Jabung Barat. Program Studi Magister Pendidikan IPA Universitas Jambi, Pembimbing I. Dr. Evita Anggereini, M.Si. Pembimbing II. Dr. Yusnaidar, M.Si.

Kemampuan literasi adalah kemampuan untuk menerapkan konsep, prinsip ilmiah, dan pemahaman dalam kehidupan sehari-hari. Mengintegrasikan keterampilan literasi sains ke dalam pembelajaran sangat penting. Melalui berpikir, memahami, dan bertindak dengan cara yang akurat secara ilmiah, keterampilan literasi tidak hanya meningkatkan pengetahuan ilmiah tetapi juga meningkatkan keterampilan proses. Keterampilan proses sains menuntut siswa untuk menganalisis, menciptakan sains, dan memperoleh pengetahuan melalui prosedur atau metodologi ilmiah. Tujuan penelitian ini adalah untuk mengetahui pengaruh model pembelajaran *reading identifying constructing solving reviewing extending* (RICOSRE) terhadap kemampuan literasi dan keterampilan proses sains peserta didik pada materi sistem pencernaan ada manusia kelas XI di SMA Negeri 1 Tanjung Jabung Barat. Penelitian ini menggunakan pendekatan kuantitatif, dengan metode eksperimen. Rancangan yang digunakan adalah *pretest post-test control group design* dengan pola desain penelitian *quasi experiment*. Sampel dalam penelitian ini berjumlah 94 siswa. Instrumen yang digunakan berupa wawancara, lembar observasi, dan soal tes. Teknik analisis data dilakukan dengan Analisis Manova. Berdasarkan hasil uji statistik pengaruh model pembelajaran RICOSRE terhadap kemampuan literasi sains siswa diperoleh nilai sebesar $0,001 < 0,05$. Sedangkan keterampilan proses sains siswa diperoleh nilai signya sebesar $0,001 < 0,05$, kesimpulannya bahwa model RICOSRE memberikan pengaruh yang signifikan terhadap kemampuan literasi sains siswa dan keterampilan proses sains siswa SMA Negeri 1 Tanjung Jabung Barat.

Kata Kunci: RICOSRE, literasi sains, proses sains, & siswa.

ABSTRACT

Farida Azzahra, 2024. The Effect of Reading Identifying Constructing Solving Reviewing Extending (Ricosre) Learning Model on Literacy and Science Process Skills of Students at State High School 1 Tanjung Jabung Barat. Jambi University Science Education Masters Study Program, Supervisor I. Dr. Evita Anggereini, M.Si. Advisor II. Dr. Yusnaidar, M.Si.

Literacy skills are the ability to apply concepts, scientific principles and understanding in everyday life. Integrating scientific literacy skills into learning is essential. Through thinking, understanding, and acting in scientifically accurate ways, literacy skills not only increase scientific knowledge but also improve process skills. Science process skills require students to analyze, create science, and gain knowledge through scientific procedures or methodology. The aim of this research is to determine the effect of the reading identifying constructing solving extending reviewing (RICOSRE) learning model on students' literacy abilities and science process skills in class XI human digestive system material at SMA Negeri 1 Tanjung Jabung Barat. This research uses a quantitative approach, with experimental methods. The design used was a pretest post-test control group design with a quasi-experimental research design pattern. The sample in this study amounted to 94 students. The instruments used were interviews, observation sheets, and test questions. The data analysis technique was carried out using Manova Analysis. Based on the results of statistical tests on the influence of the RICOSRE learning model on students' scientific literacy abilities, a value of $0.001 < 0.05$ was obtained. Meanwhile, the sign value obtained for students' science process skills was $0.001 < 0.05$. The conclusion was that the RICOSRE model had a significant influence on students' scientific literacy abilities and students' science process skills at SMA Negeri 1 Tanjung Jabung Barat.

Keywords: RICOSRE, scientific literacy, science process, & students.