

ABSTRAK

Lusiana Sihombing, NIM. 4203121062 (2024). Pengaruh Pembelajaran *Reading, Questioning and Answering (RQA)* terhadap Peningkatan Motivasi Belajar dan Kemampuan Literasi Sains di SMA Negeri 1 Siempatnempu.

Penelitian ini dilakukan untuk mengetahui peningkatan motivasi belajar dan kemampuan literasi sains melalui penerapan strategi pembelajaran *Reading, Questioning and Answering (RQA)* pada materi usaha dan energi di SMA Negeri 1 Siempatnempu. Jenis penelitian ini mengacu pada penelitian kuantitatif. Jenis penelitian bersifat *quasi experiment*, yang melibatkan kelas X MIA 2 sebanyak 30 siswa sebagai kelompok eksperimen dengan strategi *RQA* dan kelas X MIA 1 sebanyak 30 siswa sebagai kelompok kontrol dengan strategi ekspositori. Desain Penelitian ini yakni *Two Group (Pre-test dan Post-test)* untuk tes kemampuan literasi sains, sedangkan angket/kuisisioner untuk tes motivasi belajar. Data dianalisis dengan uji normalitas, uji homogenitas dan uji hipotesis (uji-t), didapatkan rata-rata motivasi awal sebesar 44,83 dan rata-rata motivasi akhir 80,43. Sedangkan pada *pretest* kemampuan literasi sains pada kelas eksperimen sebesar 37, rata-rata *posttest* sebesar 83,33. Hasil penelitian menunjukkan bahwa terdapat pengaruh strategi pembelajaran *Reading, Questioning and Answering (RQA)*, terhadap motivasi belajar dan kemampuan literasi sains pada materi usaha dan energi di kelas X semester II SMA Negeri 1 Siempatnempu T.P 2023/2024.

Kata Kunci: *RQA*, Motivasi Belajar, Kemampuan Literasi Sains.

ABSTRACT

Lusiana Sihombing, NIM. 4203121062 (2024). The Effect of Reading, Questioning and Answering (RQA) Learning on Increasing learning Motivation and Science Skills at SMA Negeri 1 Siempatnempu.

This study was conducted to determine the increase in learning motivation and science literacy skills through the application of Reading, Questioning and Answering (RQA) learning strategies on effort and energy material at SMA Negeri 1 Siempatnempu. This type of research refers to quantitative research. The type of research is quasi experiment, which involves X MIA 2 class of 30 students as an experimental group with RQA strategy and X MIA 1 class of 30 students as a control group with expository strategy. This research design is Two Group (Pre-test and Post-test) for science literacy test, while questionnaire for learning motivation test. Data were analyzed by normality test, homogeneity test and hypothesis test (t-test), obtained the average initial motivation of 44.83 and the average final motivation of 80.43. While the pretest of science literacy skills in the experimental class was 37, the average posttest was 83.33. The results showed that there was an effect of Reading, Questioning and Answering (RQA) learning strategy, on learning motivation and science literacy skills on the material of effort and energy in class X semester II SMA Negeri 1 Siempatnempu T.P 2023/2024.

Keywords: RQA, Learning Motivation, Science Literacy Skills.