

ABSTRAK

Karina Ardiyani Arwan, 2022. Pengembangan LKPD *Berbasis Riset Based Learning* untuk Pembelajaran Biologi dalam Meningkatkan Hasil Belajar Siswa Menggunakan Pembelajaran *Blended Learning* di SMA Negeri 2 Kota Ternate. Pembimbing, Dr. M. Nasir Tamalene, S.Pd.,M.Pd dan Dr. Ilham Majid S.Pd.,M.Si

LKPD yang digunakan disekolah belum ada pengembangan dengan model pembelajaran *Riset Based Learning* (RBL), sehingga perlu di kembangkan LKPD dengan Model *Riset Based Learning* (RBL). Jenis penelitian ini adalah penelitian pengembangan yang menghasilkan produk berupa Rencana Pelaksanaan Pembelajaran (RPP) dan Lembar Kerja Peserta Didik (LKPD). Model pengembangan yang digunakan adalah model *Four-D* dari S. Thiagarajan, Doroty S. Semmel, dan Melvyn I. Semmel yang terdiri dari 4 tahap yaitu pendefinisian *Define*, *Design*, *Develop*, dan *Disseminate*. Hasil penelitian menunjukkan bahwa kualitas perangkat pembelajaran RPP dan LKPD dengan model *Riset Based Learning* (RBL) di SMA Negeri 2 Kota Ternate pada materi Sistem Respirasi manusia layak digunakan. Perangkat pembelajaran yang telah dikembangkan dari segi tingkat validasi untuk RPP diperoleh 4.13 dan LKPD memperoleh rata-rata 4.07 dan 4.19 pada ahli materi dan ahli media yang termasuk kategori sangat valid dan layak digunakan. Perangkat pembelajaran yang telah di kembangkan dari segi praktisitas memperoleh nilai presentase 85,5% siswa memberikan respon positif. Perangkat pembelajaran yang dikembangkan dari segi efektifitas ketuntutan hasil belajar peserta didik sebesar 80%. Jumlah peserta didik yang tuntas dalam proses pembelajaran sebanyak 18 orang, Maka model RBL sangat efektif diterapkan pada pembelajaran Biologi materi sistem respirasi manusia.

Kata Kunci : keterampilan 4C, model *Riset Based Learning* (RBL), pengembangan LKPD

ABSTRACT

Karina Ardiyani Arwan,2022. Development of Research Based Learning LKPD for Biology Learning in Improving Student Learning Outcomes Using Blended Learning in SMA Negeri 2 City Of Ternate.

Supervisor, Dr. M. Nasir Tamalene, S.Pd.,M.Pd dan Dr. Ilham Majid S.Pd.,M.Si

There has been no development of student worksheets used in schools with Research Based Learning (RBL) learning models, so it is necessary to develop student worksheets with Research Based Learning (RBL) models. This type of research is development research that produces products in the form of Learning Implementation Plans (RPP) and Student Worksheets. The development model used is the Four-D model from S. Thiagarajan, Doroty S. Semmel, and Melvyn I. Semmel which consists of 4 stages, namely defining Define, Design, Develop and Disseminate. The results showed that the quality of RPP learning tools and student worksheets with the Research Based Learning (RBL) model at SMA Negeri 2 Ternate City on the human respiratory system material was feasible to use. Learning tools that have been developed in terms of the level of validation for lesson plans obtained 4.13 and student worksheets obtained an average of 4.07 and 4.19 for material experts and media experts which are categorized as very valid and suitable for use. Learning tools that have been developed in terms of practicality get a percentage value of 85.5% of students giving a positive response. Learning tools developed in terms of the effectiveness of the completeness of student learning outcomes are 80%. The number of students who completed the learning process as many as 18 people, so the RBL model is very effectively applied to learning biology material for the human respiratory system.

Keywords : 4C skills, Research Based Learning (RBL) model, LKPD development