

ABSTRAK

Yariski Sipayung, NIM 4183341015 (2018). Pengembangan Media Pembelajaran Video pada Materi Sistem Ekskresi Kelas XI SMA Negeri 18 Medan T.A. 2023/2024.

Penelitian ini bertujuan untuk memperoleh media video pembelajaran yang layak pada aspek materi, pembelajaran dan desain media serta mengetahui pengaruhnya terhadap hasil belajar kognitif siswa kelas XI MIA pada SMA Negeri 18 Medan. Media dikembangkan mengikuti model pengembangan 4D yang terdiri dari empat tahap, yaitu define, design, develop dan disseminate, divalidasi oleh ahli materi, ahli pembelajaran dan ahli desain. Respon guru biologi dan siswa terhadap media pembelajaran yang dikembangkan juga dikumpulkan. Data penelitian diperoleh melalui instrumen validasi, angket, dan tes kognitif. Hasil penelitian menunjukkan bahwa media pembelajaran yang dikembangkan dinilai sangat layak oleh ahli materi (97,94%), ahli pembelajaran (96,29%), ahli desain (92,5%). Media pembelajaran video yang dikembangkan juga dinyatakan sangat baik oleh guru biologi (96,94%) maupun oleh siswa (82,91%). Data menunjukkan hasil belajar kognitif siswa mengalami peningkatan yang signifikan setelah diajar dengan menggunakan media video yang telah dikembangkan (uji t, $p < 0,05$).

Kata Kunci : Video pembelajaran, hasil belajar, media pembelajaran, sistem ekskresi.

ABSTRACT

Yariski Sipayung, NIM 4183341015 (2018). Development of Video Learning Media on Excretory System Material for Class XI SMA Negeri 18 Medan T.A. 2023/2024.

This research aims to obtain appropriate learning video media in the aspects of material, learning and media design and to determine its effect on the cognitive learning outcomes of class XI MIA students at SMA Negeri 18 Medan. Media was developed following the 4D development model which consists of four stages, namely define, design, develop and disseminate, validated by material experts, learning experts and design experts. Responses from biology teachers and students to the learning media developed were also collected. Research data was obtained through validation instruments, questionnaires and cognitive tests. The research results showed that the learning media developed was considered very appropriate by material experts (97.94%), learning experts (96.29%), design experts (92.5%). The video learning media developed was also stated to be very good by biology teachers (96.94%) and students (82.91%). The data shows that students' cognitive learning outcomes have increased significantly after being taught using the video media that has been developed (t test, $p < 0.05$).

Keywords: Learning video, learning outcomes, learning media, excretory system.

