

ABSTRAK

Dini Oktavianti. Nim 8176142004. Pengembangan Materi Ajar Kimia Terintegrasi Spiritual Menggunakan Model Problem Based Learning (PBL) Berbantuan Media Visual Studio Ditinjau dari Motivasi dan Kemampuan Awal Siswa. Tesis, Medan. Program Studi Pendidikan Kimia Pascasarjana Universitas Negeri Medan, 2020

Penelitian ini bertujuan untuk : (1) mengetahui analisis kebutuhan awal media visual studio yang dikembangkan; (2) memperoleh desain dan pengembangan yang dilakukan pada media visual studio yang dikembangkan; (3) mengetahui tingkat kelayakan media pembelajaran visual studio dengan standar BSNP; (4) mengetahui perbedaan hasil belajar siswa yang dibelajarkan dengan materi ajar kimia berbasis spiritual menggunakan model PBL berbantuan media visual studio; (5) mengetahui pengaruh motivasi terhadap hasil belajar siswa yang dibelajarkan dengan materi ajar kimia berbasis spiritual menggunakan model PBL berbantuan media visual studio; (6) mengetahui pengaruh kemampuan awal terhadap hasil belajar siswa yang dibelajarkan dengan materi ajar kimia berbasis spiritual menggunakan model PBL berbantuan media visual studio; (7) mengetahui pengaruh interaksi antara model dengan motivasi; (8) mengetahui pengaruh interaksi antara model dengan kemampuan awal siswa; (9) mengetahui pengaruh interaksi antara motivasi dengan kemampuan awal siswa; (10) mengetahui pengaruh interaksi antara model dengan nilai spiritual; (11) mengetahui pengaruh interaksi antara model, motivasi dan kemampuan awal siswa; (12) mengetahui korelasi antara nilai spiritual dengan hasil belajar siswa. Jenis penelitian ini menggunakan metode R&D dengan model ADDIE. Populasi penelitian adalah seluruh siswa SMA/MA dengan kurikulum 2013 kelas XI Semester ganjil T.P 2019/2020. Sampel penelitian adalah siswa MIA 2 dan MIA 3 dengan masing-masing siswa berjumlah 40 orang. Instrumen penelitian yang digunakan adalah angket BSNP untuk menguji kelayakan media. Digunakan pula angket motivasi dan spiritual siswa untuk mengukur tingkat motivasi dan spiritual siswa serta tes pilihan berganda untuk mengetahui peningkatan hasil belajar siswa. Hasil penelitian menunjukkan bahwa : (1) media visual studio yang dikembangkan sangat dibutuhkan; (2) Desain dan pengembangan yang dilakukan pada media visual studio yang dikembangkan yaitu pembuatan produk media visual studio dan penambahan model *Problem Based Learning*; (3) tingkat kelayakan media visual studio memiliki kategori layak; (4) terdapat perbedaan hasil belajar siswa yang diajarkan dengan materi ajar kimia terintegrasi spiritual menggunakan model *Problem Based Learning* berbantuan media visual studio(0,667); (5) terdapat pengaruh motivasi belajar terhadap hasil belajar siswa yang dibelajarkan dengan materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio(72,15); (6) terdapat pengaruh kemampuan awal terhadap hasil belajar siswa yang dibelajarkan dengan materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio(70,55); (7) tidak terdapat interaksi antara siswa yang dibelajarkan dengan materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio; (8) tidak terdapat interaksi antara siswa yang dibelajarkan dengan materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio; (9) tidak terdapat interaksi antara motivasi belajar dengan kemampuan awal; (10) tidak terdapat interaksi antara siswa yang dibelajarkan dengan materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio dengan motivasi belajar dan kemampuan awal; (11) tidak terdapat interaksi antara siswa yang dibelajarkan dengan materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio dengan spiritual; (12) terdapat hubungan yang signifikan antara spiritual siswa materi ajar terintegrasi spiritual dengan model PBL berbantuan media Visual Studio.

Kata Kunci : *pengembangan materi ajar kimia, spiritual, media visual studio, motivasi, kemampuan awal siswa*

ABSTRACT

Dini Oktavianti. Nim 8176142004. Development of Chemical Teaching Materials Integrated Spiritual Assisted by Visual Studio Media with Problem Based Learning Model in Terms of Learning Motivation and Initial ability of students. Thesis, Medan. Postgraduate Chemistry Education Study Program. Universitas Negeri Medan, 2020

This study aims to: (1) find out the initial needs analysis of the developed visual studio media; (2) obtaining design and development carried out on the developed visual studio media; (3) knowing the level of feasibility of visual studio learning media with BSNP standards; (4) knowing the differences in student learning outcomes that are taught with spiritual-based chemistry teaching materials using PBL models assisted by visual studio media; (5) determine the effect of motivation on student learning outcomes that are taught with spiritual-based chemistry teaching materials using PBL models assisted by visual studio media; (6) determine the effect of initial ability on student learning outcomes that are taught with spiritual-based chemistry teaching materials using PBL models assisted by visual studio media; (7) determine the effect of the interaction between the model and motivation; (8) determine the effect of the interaction between the model and students' initial abilities; (9) determine the effect of the interaction between motivation and students' initial abilities; (10) knowing the effect of interaction between models and spiritual values; (11) determine the effect of interactions between models, motivation and initial abilities of students; (12) knowing the correlation between spiritual values and student learning outcomes. This type of research uses the R&D method with the ADDIE model. The study population was all high school / MA students with 2013 class XI odd semester T.P 2019/2020. The research sample was MIA 2 and MIA 3 students with 40 students each. The research instrument used was a BSNP questionnaire to test the feasibility of the media. Student motivation and spiritual questionnaires are also used to measure students' motivation and spiritual levels and multiple choice tests to find out about student learning outcomes. The results showed that: (1) the developed visual studio media was needed; (2) Design and development carried out on the developed visual studio media, namely making visual studio media products and adding Problem Based Learning models; (3) the feasibility level of visual studio media has a decent category; (4) there are differences in student learning outcomes taught by spiritually integrated chemistry teaching materials using the Problem Based Learning model aided by visual studio media (0.667); (5) there is an influence of learning motivation on student learning outcomes that are taught with spiritual integrated teaching materials with PBL models assisted by Visual Studio media (72,15); (6) there is an initial ability influence on student learning outcomes that are taught with spiritual integrated teaching material with PBL models assisted by Visual Studio media (70,55); (7) there is no interaction between students who are taught with spiritual integrated teaching materials with PBL models assisted by Visual Studio media; (8) there is no interaction between students who are taught with spiritual integrated teaching materials with PBL models assisted by Visual Studio media; (9) there is no interaction between learning motivation and initial ability; (10) there is no interaction between students who are taught with spiritual integrated teaching materials with PBL models assisted by Visual Studio media with learning motivation and initial abilities; (11) there is no interaction between students who are taught with spiritual integrated teaching materials with PBL models assisted by Visual Studio with spiritual media; (12) there is a significant relationship between students' spiritual integrated teaching materials with the PBL model assisted by Visual Studio media.

Keywords: *development of chemical teaching materials, spiritual, visual studio media, motivation, students' initial abilities*