PENGARUH PENGGUNAAN MODEL PEMBELAJARAN *PREDICT-OBSERVE-EXPLAIN-WRITE* (POEW) BERBANTUAN *COMPUTER SUPPORTED INSTRUCTIONAL MATERIAL* (CSIM) TERHADAP PERUBAHAN KONSEPSI PESERTA DIDIK PADA MATERI CAHAYA DAN SIFAT-SIFATNYA

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ABSTRAK

Miskonsepsi pada pembelajaran IPA khususnya pada materi cahaya dan sifat-sifatnya adalah hal yang cukup sering terjadi. Untuk itu, perlu dilakukan pembelajaran yang dapat mengetahui keadaan konsepsi peserta didik sejak dini. Pembelajaran cahaya pertama kali dipelajari di kelas IV, supaya miskonsepsi dapat segera diatasi dan tidak terbawa ke kelas berikutnya maka dilakukankanlah penelitian. Penelitian ini bertujuan untuk mengkaji pengaruh model pembelajaran *Predict-Observe-Explain-Write* (POEW) berbantuan *Computer Supported Instructional Material* (CSIM) terhadap perubahan konsepsi peserta didik pada materi cahaya dan sifat-sifatnya. Metode penelitian ini adalah kuantitatif. Jenis penelitian yang digunakan adalah penelitian *Pre-Experimental* dengan desain penelitian *one group pretest-posttestt design*. Partisipan dalam penelitian ini melibatkan 29 peserta didik sekolah dasar kelas IV. Dalam pelaksanaannya peserta didik melakukan pembelajaran secara tatap muka di ruang kelas dimulai dengan pengumpulan data yang diambil dari tes konsepsi *pretest* dan diakhiri dengan pengumpulan data *posttest* yang menggunakan instrumen tes diagnostik *two tier*. Instrumen tes konsepsi dikembangkan secara keseluruhan berjumlah empat butir soal terdiri dari konsep cahaya putih, konsep melihat benda, konsep warna benda dan konsep pemantulan teratur dan baur. Hasil penelitian menunjukan bahwa pembelajaran menggunakan model pembelajaran POEW berbantuan CSIM pada materi cahaya dan sifat-sifatnya mempengaruhi perubahan konsepsi kearah yang postitif yaitu mencapai pada tipe perubahan konstruksi dan rekonstruksi.

Kata kunci: *Model pembelajaran POEW, CSIM, Perubahan Konsep*

PENGARUH PENGGUNAAN MODEL PEMBELAJARAN *PREDICT-OBSERVE-EXPLAIN-WRITE* (POEW) BERBANTUAN *COMPUTER SUPPORTED INSTRUCTIONAL MATERIAL* (CSIM) TERHADAP PERUBAHAN KONSEPSI PESERTA DIDIK PADA MATERI CAHAYA DAN SIFAT-SIFATNYA

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ABSTRACT

Misconceptions in science learning, especially in light material, are quite common, for that it is necessary to do learning that can find out the state of students' conceptions from an early age from class IV when light learning was first studied so that misconceptions can be immediately overcome and not carried over to the next class. This study aims to examine the effect of the Predict-Observe-Explain-Write (POEW) learning model assisted by Computer Supported Instructional Materials (CSIM) on changes in students' conceptions of light material and its properties. This research method is quantitative. The type of research used in this research is pre-experimental research with one group pretest-posttest design research design. Participants in this study involved 29 elementary school students in grade IV. In this research, students conduct face-to-face learning in the classroom starting with collecting data taken from the pretest and posttest conception tests using a two-tier diagnostic test instrument. The conception test instrument developed in total consists of four questions consisting of the concept of white light, the concept of seeing objects, the concept of object color and the concept of regular and diffuse reflection. The results of this study indicate that learning using the CSIM-assisted POEW learning model on light material and its properties affect the change in conception in a positive direction, namely achieving the types of changes in construction and reconstruction.

Keywords: POEW Learning models, *CSIM,* conseptual change

DAFTAR ISI

HALAMAN JUDUL ..... **i**
HALAMAN PENGESAHAN TESIS ..... **ii**
HALAMAN PERNYATAAN ..... **iii**
KATA PENGANTAR ..... **iv**
UCAPAN TERIMA KASIH ..... **v**
ABSTRAK ..... **vii**
DAFTAR ISI ..... **ix**
DAFTAR TABEL ..... **xi**
DAFTAR GAMBAR ..... **xiii**
DAFTAR LAMPIRAN ..... **xv**
BAB I PENDAHULUAN **1**
1.1 Latar Belakang Penelitian 1
1.2 Rumusan Masalah Penelitian 6
1.3 Tujuan Penelitian 7
1.4 Manfaat Penelitian 7
1.5 Struktur Organisasi Tesis 8
BAB II KAJIAN PUSTAKA **10**
2.1 Pembelajaran Ilmu Pengetahuan Alam (IPA) 10
2.2 *Predict-Observe-Explain*-Write (POEW) 12
2.3 *Computer Supported Instructional Material* (CSIM) 13
2.4 Integrasi Model Pembelajaran POEW dengan CSIM 16
2.5 Konsep, Konsepsi, Konsepsi Ilmiah, Miskonsepsi 17
2.6 Cahaya dan Sifat-sifatnya 21
2.7 Miskonsepsi pada Materi Cahaya 26
2.8 Instrumen untuk Mengidentifikasi Konsepsi 29
2.9 Tipe Perubahan Konsepsi 32
2.10 Penelitian Relevan 33
2.11 Kerangka Pikir Penelitian 37
2.12 Asumsi Penelitian 38

2.13 Hipotesis Penelitian 38
BAB III METODE PENELITIAN 39
3.1 Metode dan Desain Penelitian 39
3.2 Partisipan Penelitian 40
3.3 Definisi Operasional Variabel Penelitian 40
3.4 Instrumen Penelitian 42
3.5 Prosedur Penelitian 54
3.6 Analisis Data 55
BAB IV TEMUAN DAN PEMBAHASAN HASIL PENELITIAN 59
4.1 Gambaran Pelaksanaan Model Pembelajaran POEW berbantuan CSIM. 59
4.2 Tipe Perubahan Konsepsi 89
4.3 Tanggapan Peserta Didik 123
4.4 Keterbatasan Penelitian 126
BAB V SIMPULAN, IMPLIKASI DAN REKOMENDASI 127
5.1 Simpulan 127
5.2 Implikasi 128
5.3 Rekomendasi 129
DAFTAR PUSTAKA 130
LAMPIRAN-LAMPIRAN 140

DAFTAR TABEL

Tabel 2. 1 Konsep, Konsepsi Ilmiah dan Miskonsepsi materi cahaya 28
Tabel 2. 2. Keadaan konsepsi peserta didik berdasarkan hasil two-tier test 30
Tabel 2. 3 Keadaan konsepsi peserta didik berdasarkan data hasil 31
Tabel 2. 4 Kategori Konsepsi Peserta Didik Berdasarkan Data Hasil Four-tier Test 31
Tabel 2. 5 Pedoman Penentuan Tipe Perubahan Konsepsi 32
Tabel 3. 1 Matriks Tahapan Pembelajaran Konsep 1 43
Tabel 3. 2 Matriks Tahapan pembelajaran Konsep 2 44
Tabel 3. 3 Matriks Tahapan pembelajaran Konsep 3 46
Tabel 3. 4 Matriks Tahapan pembelajaran Konsep 4 47
Tabel 3. 5 Kisi-kisi Soal Konsepsi 49
Tabel 3. 6 Jumlah soal konsepsi pada setiap konsep 50
Tabel 3. 7 Hasil Validasi Ahli Terhadap Soal Tes Konsepsi 50
Tabel 3. 8 Kisi-kisi LKPD 51
Tabel 3. 9 Kisi-kisi Tanggapan Peserta Didik 52
Tabel 3. 10 Instrumen-instrumen Penelitian 52
Tabel 3. 11 Kriteria Keterlaksanaan Pembelajaran 57
Tabel 3. 12 Pedoman Penentuan Perubahan Konsep 58
Tabel 3. 13 Kriteria Persentase Responden 59
Tabel 4. 1 Pelaksanaan Model pembelajaran POEW berbantuan CSIM 90
Tabel 4. 2 Keadaan Konsepsi Pesera Didik Sebelum dan Sesudah Mendapatkan Pembelajaran Model POEW berbantuan CSIM 93
Tabel 4. 3 Persentase Keadaan Konsepsi Pesera Didik Sebelum dan Sesudah Mendapatkan Pembelajaran Model POEW berbantuan CSIM 94
Tabel 4. 4 Keadaan Konsepsi Pesera Didik pada Konsep cahaya Putih 96
Tabel 4. 5 Keadaan Konsepsi Pesera Didik pada Konsep cahaya Putih 97
Tabel 4. 6 Keadaan Konsepsi Pesera Didik pada Konsep Melihat Benda 103
Tabel 4. 7 Keadaan Konsepsi Pesera Didik pada Konsep Melihat Benda 104
Tabel 4. 8 Keadaan Konsepsi Pesera Didik pada Konsep Warna Benda 110

Tabel 4. 9 Keadaan Konsepsi Pesera Didik pada Konsep Warna Benda..... 111
Tabel 4. 10 Keadaan Konsepsi Pesera Didik pada Konsep Pemantulan Teratur dan Baur 119
Tabel 4. 11 Tanggapan Peserta Didik terhadap pembelajaran dengan POEW ... 128

DAFTAR GAMBAR

Gambar 2. 1 Penjalaran Sinar Proses Melihat Benda 23
Gambar 2. 2 Gambaran Pantulan Warna..... 24
Gambar 2. 3 Penjalaran Sinar Teratur..... 25
Gambar 2. 4 Penjalaran sinar baur 26
Gambar 2. 5 Kerangka Pikir Penelitian..... 38
Gambar 3. 1 Desain Eksperimen One Group Pretest-Posttest Design…….....40
Gambar 4. 1 Tampilan CSIM pada tahap predict konsep 1……..…62
Gambar 4. 2 Persentase keadaan konsepsi peserta didik saat posttest konsep 1... 62
Gambar 4. 3 Tampilan CSIM pada tahap observe konsep 1..... 64
Gambar 4. 4 Tampilan pertanyaan CSIM pada tahap observe konsep 1 65
Gambar 4. 5 Tampilan link video CSIM pada tahap explain konsep 1 66
Gambar 4. 6 Tampilan pertanyaan CSIM pada tahap explain konsep 1..... 67
Gambar 4. 7 Tampilan pertanyaan CSIM pada tahap explain konsep 1..... 68
Gambar 4. 8 Persentase keadaan konsepsi peserta didik saat posttest konsep 1.. 69
Gambar 4. 9 Tampilan CSIM pada tahap predict konsep 2 70
Gambar 4. 10 Persentase keadaan konsepsi peserta didik saat pretest konsep melihat benda 71
Gambar 4. 11 Tampilan CSIM pada tahap observe konsep 2..... 72
Gambar 4. 12 Tampilan pertanyaan CSIM pada tahap observe konsep 2 73
Gambar 4. 13 Tampilan CSIM pada tahap explain konsep 2 74
Gambar 4. 14 Tampilan CSIM pada tahap write konsep 2..... 75
Gambar 4. 15 Persentase keadaan konsepsi peserta didik saat posttest konsep melihat benda 75
Gambar 4. 16 Tampilan CSIM pada tahap predict konsep 3..... 77
Gambar 4. 17 Persentase keadaan konsepsi peserta didik saat pretest konsep 3 . 78
Gambar 4. 18 Tampilan CSIM pada tahap observe konsep 3..... 78
Gambar 4. 19 Tampilan pertanyaan CSIM pada tahap observe konsep 3 80
Gambar 4. 20 Tampilan pertanyaan CSIM pada tahap explain konsep 3..... 82
Gambar 4. 21 Tampilan pertanyaan CSIM pada tahap explain konsep 3..... 83

Gambar 4. 22 Tampilan pertanyaan CSIM pada tahap write konsep 3 84
Gambar 4. 23 Persentase keadaan konsepsi peserta didik saat posttest konsep 3. 84
Gambar 4. 24 Tampilan CSIM pada tahap predict konsep 4 86
Gambar 4. 25 Persentase keadaan konsepsi peserta didik saat pretest konsep 4 .. 86
Gambar 4. 26 Tampilan CSIM pada tahap observe konsep 4 87
Gambar 4. 27 Tampilan CSIM pada tahap explain konsep 4 88
Gambar 4. 28 Tampilan CSIM pada tahap write konsep 4 89
Gambar 4. 29 Persentase keadaan konsepsi peserta didik saat posttest konsep 4. 89
Gambar 4. 30 Sebaran Perubahan Konsepsi Peserta Didik Konsep Cahaya Putih 102
Gambar 4. 31 Sebaran Perubahan Konsepsi Peserta Didik Konsep Melihat Benda 108
Gambar 4. 32 Sebaran Perubahan Konsepsi Peserta Didik Konsep Warna Benda 117
Gambar 4. 33 Sebaran Perubahan Konsepsi Peserta Didik Konsep Pemantulan Teratur dan Baur 124

DAFTAR LAMPIRAN

Lampiran 1 Rencana Pelaksanaan Pembelajaran 146
Lampiran 2 Lembar Observasi Pelaksanaan Pembelajaran 152
Lampiran 3 LKPD 160
Lampiran 4 Rekapitulasi LKPD 172
Lampiran 5 Kisi-Kisi Soal Konsepsi 182
Lampiran 6 Validasi Instrumen Soal Konsepsi 189
Lampiran 7 Distribusi Jawaban Siswa 195
Lampiran 8 Uji Reliabilitas 197
Lampiran 9 Surat Keputusan Pembimbing 200
Lampiran 10 Surat Pengantar Penelitian 202
Lampiran 11 Kisi-kisi Skala Sikap 203
Lampiran 12 Validasi Skala Sikap 204
Lampiran 13 Dokumentas 206

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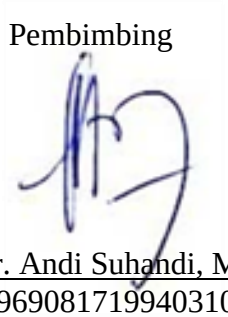
LEMBAR PENGESAHAN TESIS

TINTIN DESIYANTI

PENGARUH PENGGUNAAN MODEL PEMBELAJARAN *PREDICT-OBSERVE-EXPLAIN-WRITE* (POEW) BERBANTUAN *COMPUTER SUPPORTED INSTRUCTIONAL MATERIAL* (CSIM) TERHADAP PERUBAHAN KONSEPSI PESERTA DIDIK PADA MATERI CAHAYA DAN SIFAT-SIFATNYA

Disetujui dan disahkan oleh :

Pembimbing



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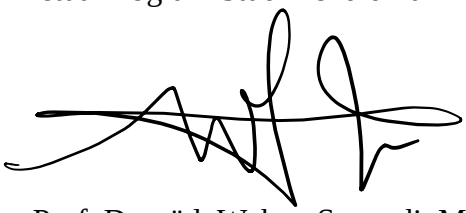
Mengetahui

Ketua Program Studi Pendidikan Dasar



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