**DAFTAR ISI**

**Halaman**

**ABSTRAK...................................................................................................... i**

**KATA PENGANTAR ................................................................................... iii**

**DAFTAR ISI .................................................................................................. vi**

**DAFTAR TABEL .......................................................................................... viii**

**DAFTAR GAMBAR..................................................................................... x**

**BAB I PENDAHULUAN .............................................................................. 1**

1.1 Latar Belakang Masalah ................................................................. 1 1.2 Identifikasi masalah ........................................................................ 9 1.3 Batasan Masalah.............................................................................. 10 1.4 Rumusan Masalah .......................................................................... 10 1.5 Tujuan Penelitian ........................................................................... 11 1.6 Manfaat Penelitian .......................................................................... 11

**BAB II TINJAUAN PUSTAKA ................................................................... 13**

2.1 Pengertian Belajar .......................................................................... 13 2.2 Pengertian Pengembangan ............................................................. 16 2.3 Pengertian Perangkat Pembelajaran ............................................... 18 2.4 Pendekatan CTL ............................................................................. 21 2.5 Kemampuan Komunikasi Matematis .............................................. 25 2.6 Rasa Percaya Diri ........................................................................... 30 2.7. Penelitian Yang Relevan ............................................................... 33 2.8. Kerangka Konseptual .................................................................... 34

**BAB III. METODE PENELITIAN .............................................................. 36**

3.1. Lokasi Dan Waktu Penelitian......................................................... 36 3.2 Subjek Dan Objek Penelitian ....................................................... 36 3.3 Jenis Penelitian ............................................................................... 36 3.4 Teknik Pengumpulan Data ............................................................ 38 3.5 Instrumen Penelitian ....................................................................... 39 3.6 Analisis Data ................................................................................... 49

**BAB IV HASIL PENELITIAN DAN PEMBAHASAN………………... ... 56**

4.1 Hasil Penelitian................................................................................ 56

4.2 Pembahasan……………………………………............................. 108

**BAB V KESIMPULAN DAN SARAN…………………………………..... 118**

* 1. Kesimpulan……………………………………………………..... 118
	2. Saran……………………………………………………………... 119

**DAFTAR PUSTAKA.................................................................................... 122**

**LAMPIRAN................................................................................................... 125**

**DAFTAR TABEL**

3.1 Kisi-kisi Lembar validasi Buku Pegangan Guru........................................ 39

3.2 Kisi-kisi Lembar validasi Buku Pegangan Siswa....................................... 40

3.3. Lembar Angket Rasa Percaya Diri Siswa.................................................. 46

3.4. Interprestasi Validitas Tes.......................................................................... 49

3.5. Interprestasi Reliabilitas Instrumen Tes..................................................... 51

4.1. Sub Topik dan Jenis Kegiatan Setiap Pertemuan....................................... 59

4.2. Sub Topik dan Tujuan Pembelajaran Setiap Pertemuan............................ 60

4.3. Media dan Alat Bantu Pembelajaran Materi Segiempat............................ 62

4.4. Hasil Validasi Buku Siswa......................................................................... 73

4.5. Hasil Validasi Buku Guru........................................................................... 74

4.6. Hasil Validasi Instrumen............................................................................ 75

4.7 Revisi Tes Kemampuan Komunikasi Matematis Siswa............................. 76

4.8. Validitas Butir Soal Tes Kemampuan Komunikasi Matematis.................. 77

4.9. Ketuntasan Kemampuan Komunikasi Matematis Uji Coba 1................... 80

4.10. Hasil Ketuntasan Kemampuan Komunikasi Matematis Uji Coba 1........ 80

4.11 Rata-rata Persentase Waktu Aktivitas Siswa Uji Coba 1.......................... 81

4.12. Respon Rasa Percaya Diri Siswa Terhadap Pembelajaran Pada Uji

 Coba 1....................................................................................................... 84

4.13 Ketuntasan *Pretest* Kemampuan Komunikasi Matematis Uji Coba 2...... 94

4.14 Ketuntasan *Posttest* Kemampuan Komunikasi Matematis Uji Coba 2..... 95

4.15 Respon Rasa Percaya Diri Siswa Terhadap Pembelajaran Uji Coba 2..... 96

4.16 Alasan Respon Negatif Siswa pada Uji Coba 2........................................ 98

4.17 Kriteria Keterlaksanaan Pembelajaran....................................................... 99

4.18 Hasil KeterlaksanaanPembelajaran Uji Coba 2........................................ 100

4.19 Hasil *N-Gain* Kemampuan Komunikasi Matematis Siswa....................... 104

**DAFTAR GAMBAR**

3.1 Bagan pengembangan perangkat pembelajaran model 4-D..................... 37

4.1. Cover Buku Petunjuk Guru..................................................................... 65

4.2. Kata Pengantar Buku Petunjuk Guru...................................................... 66

4.3. Surat untuk Guru..................................................................................... 67

4.4. Deskripsi Singkat Model Pembelajaran Kontekstual.............................. 67

4.5. Petunjuk Pelaksanaan Pembelajaran........................................................ 68

4.6. Materi Segiempat..................................................................................... 69

4.7. Cover Buku Siswa.................................................................................... 70

4.8. Peta Konsep Segiempat.......................................................................... 71

4.9. Materi Segiempat................................................................................... 71

4.10 Klasifikasi Ketuntasan Kemampuan Komunikasi Matematis Siswa

Uji coba 1................................................................................................. 79

4.11. Persentase Ketuntasan Kemampuan Komunikasi Matematis Pada

Uji Coba I................................................................................................. 80

4.12: Grafik Persentase Waktu Aktivitas Siswa Uji Coba 1........................... 82

4.13 : sebelum (kiri) dan setelah revisi (kanan).............................................. 92

4.14 : sebelum (kiri) dan setelah revisi (kanan).............................................. 92

4.15 Klasifikasi Ketuntasan *Pretest* Kemampuan Komunikasi Matematis

Siswa Uji coba 2...................................................................................... 93

4.16 Persentase *Pretest* Kemampuan Komunikasi Matematis Pada

Uji Coba II................................................................................................ 94

4.17 Klasifikasi Ketuntasan *Posttest* Kemampuan Komunikasi Matemati

 Siswa Uji coba 2....................................................................................... 95

4.18 Persentase *Posttest* Kemampuan Komunikasi Matematis Pada

Uji Coba II............................................................................................... 95

4.19 Gain Peningkatan Kemampuan Komunikasi Matematis........................ 105