

DAFTAR GAMBAR

| | |
|---|----|
| Gambar II.1 <i>Building Blocks Domain Driven Design</i> (AgileDev, 2015)..... | 8 |
| Gambar II.2 Tahapan <i>Iterative Incremental</i> (Chowdhury et al., 2017)..... | 10 |
| Gambar II.3 Metode <i>Extreme Programming</i> (Carolina & Rusman, 2019)..... | 11 |
| Gambar II.4 Cara Kerja REST API (Hostinger, 2022)..... | 19 |
| Gambar II.5 Fase <i>Iterative and Incremental Model</i> (Wikiversity, 2021)..... | 24 |
| Gambar III.1 Kerangka Berpikir..... | 27 |
| Gambar III.2 Sistematisa Penyelesaian Masalah..... | 28 |
| Gambar IV.1 <i>Use Case Diagram Education Management System Modul Kesiswaan</i> | 37 |
| Gambar IV.2 <i>Activity Diagram Proses Login</i> | 49 |
| Gambar IV.3 <i>Activity Diagram Proses View Kehadiran</i> | 49 |
| Gambar IV.4 <i>Activity Diagram Proses View Agenda Hari Ini</i> | 50 |
| Gambar IV.5 <i>Activity Diagram Proses View Data Diri Siswa</i> | 50 |
| Gambar IV.6 <i>Activity Diagram Proses View Dispensasi Siswa</i> | 51 |
| Gambar IV.7 <i>Activity Diagram Proses View Logbook Pelanggaran</i> | 52 |
| Gambar IV.8 <i>Activity Diagram Proses View Informasi</i> | 52 |
| Gambar IV.9 <i>Activity Diagram Proses Submit Pengaduan</i> | 53 |
| Gambar IV.10 <i>Activity Diagram Proses Submit Kehadiran</i> | 53 |
| Gambar IV.11 <i>Activity Diagram Proses Submit Approval Dispensasi Siswa</i> | 54 |
| Gambar IV.12 <i>Activity Diagram Proses Submit Dispensasi Siswa</i> | 55 |
| Gambar IV.13 <i>Activity Diagram Proses View Perizinan Siswa</i> | 55 |
| Gambar IV.14 <i>Activity Diagram Proses Submit Perizinan Siswa</i> | 56 |
| Gambar IV.15 <i>Activity Diagram Proses Create Akun Guru</i> | 57 |
| Gambar IV.16 <i>Activity Diagram Proses Create Akun Siswa</i> | 57 |
| Gambar IV.17 <i>Activity Diagram Proses Create Akun Wali Murid</i> | 58 |
| Gambar IV.18 <i>Activity Diagram Proses View Akun Guru</i> | 59 |
| Gambar IV.19 <i>Activity Diagram Proses View Akun Siswa</i> | 59 |

| | |
|---|----|
| Gambar IV.20 <i>Activity Diagram</i> Proses <i>View</i> Akun Wali Murid..... | 60 |
| Gambar IV.21 <i>Activity Diagram</i> Proses <i>Submit</i> Informasi..... | 60 |
| Gambar IV.22 <i>Sequence Diagram</i> <i>Login</i> | 61 |
| Gambar IV.23 <i>Sequence Diagram</i> <i>View</i> Kehadiran..... | 62 |
| Gambar IV.24 <i>Sequence Diagram</i> <i>View</i> Agenda Hari Ini..... | 62 |
| Gambar IV.25 <i>Sequence Diagram</i> <i>View</i> Data Diri Siswa..... | 63 |
| Gambar IV.26 <i>Sequence Diagram</i> <i>View</i> Dispensasi Siswa..... | 63 |
| Gambar IV.27 <i>Sequence Diagram</i> <i>View</i> Logbook Pelanggaran..... | 64 |
| Gambar IV.28 <i>Sequence Diagram</i> <i>View</i> Informasi..... | 64 |
| Gambar IV.29 <i>Sequence Diagram</i> <i>Submit</i> Pengaduan..... | 65 |
| Gambar IV.30 <i>Sequence Diagram</i> <i>Submit</i> Kehadiran..... | 65 |
| Gambar IV.31 <i>Sequence Diagram</i> <i>Submit Approval</i> Dispensasi Siswa..... | 66 |
| Gambar IV.32 <i>Sequence Diagram</i> <i>Submit</i> Dispensasi Siswa..... | 67 |
| Gambar IV.33 <i>Sequence Diagram</i> <i>View</i> Perizinan Siswa..... | 67 |
| Gambar IV.34 <i>Sequence Diagram</i> <i>Submit</i> Perizinan Siswa..... | 68 |
| Gambar IV.35 <i>Sequence Diagram</i> <i>Create</i> Akun Guru..... | 68 |
| Gambar IV.36 <i>Sequence Diagram</i> <i>Create</i> Akun Siswa..... | 69 |
| Gambar IV.37 <i>Sequence Diagram</i> <i>Create</i> Akun Wali Murid..... | 70 |
| Gambar IV.38 <i>Sequence Diagram</i> <i>View</i> Akun Guru..... | 70 |
| Gambar IV.39 <i>Sequence Diagram</i> <i>View</i> Akun Siswa..... | 71 |
| Gambar IV.40 <i>Sequence Diagram</i> <i>View</i> Akun Wali Murid..... | 72 |
| Gambar IV.41 <i>Sequence Diagram</i> <i>Submit</i> Informasi..... | 72 |
| Gambar IV.42 <i>Entity Relationship Diagram</i> Aplikasi EMS..... | 73 |
| Gambar IV.43 <i>Class Diagram</i> | 74 |
| Gambar IV.44 <i>Deployment Diagram</i> | 75 |
| Gambar IV.45 <i>Domain-Driven Design Diagram</i> | 76 |
| Gambar V.1 Fitur <i>Login</i> | 79 |
| Gambar V.2 Fitur <i>View</i> Kehadiran..... | 80 |

| | |
|---|-----|
| Gambar V.3 Fitur <i>View</i> Agenda Hari Ini..... | 81 |
| Gambar V.4 Fitur <i>View</i> Data Diri Siswa..... | 82 |
| Gambar V.5 Fitur <i>View</i> Dispensasi Siswa..... | 83 |
| Gambar V.6 Fitur <i>View</i> Logbook Pelanggaran..... | 84 |
| Gambar V.7 Fitur <i>View</i> Informasi..... | 85 |
| Gambar V.8 Fitur <i>Submit</i> Kehadiran..... | 86 |
| Gambar V.9 Fitur <i>Submit Approval</i> Dispensasi Siswa..... | 87 |
| Gambar V.10 Halaman <i>Login</i> | 88 |
| Gambar V.11 Halaman <i>View</i> Kehadiran..... | 88 |
| Gambar V.12 Halaman <i>View</i> Agenda Hari Ini..... | 89 |
| Gambar V.13 Halaman <i>View</i> Data Diri Siswa..... | 89 |
| Gambar V.14 Halaman <i>View</i> Dispensasi Siswa..... | 90 |
| Gambar V.15 Halaman <i>View</i> Logbook Pelanggaran..... | 90 |
| Gambar V.16 Halaman <i>View</i> Informasi..... | 91 |
| Gambar V.17 Guru <i>Submit</i> Kehadiran..... | 91 |
| Gambar V.18 Guru <i>Submit Approval</i> Dispensasi Siswa..... | 92 |
| Gambar V.19 Fitur <i>Submit</i> Dispensasi Siswa..... | 97 |
| Gambar V.20 Fitur <i>View</i> Perizinan Siswa..... | 98 |
| Gambar V.21 Fitur <i>Create</i> Akun Guru..... | 99 |
| Gambar V.22 Fitur <i>Create</i> Akun Siswa..... | 100 |
| Gambar V.23 Fitur <i>Create</i> Akun Wali Murid..... | 101 |
| Gambar V.24 Fitur <i>View</i> Akun Guru..... | 102 |
| Gambar V.25 Fitur <i>View</i> Akun Siswa..... | 103 |
| Gambar V.26 Fitur <i>View</i> Akun Wali Murid..... | 104 |
| Gambar V.27 Fitur <i>Submit</i> Informasi..... | 105 |
| Gambar V.28 Halaman <i>Submit</i> Dispensasi Siswa..... | 106 |
| Gambar V.29 Halaman <i>View</i> Perizinan Siswa..... | 106 |
| Gambar V.30 Halaman <i>Create</i> Akun Guru..... | 107 |

| | |
|--|-----|
| Gambar V.31 Admin <i>Create</i> Akun Siswa..... | 107 |
| Gambar V.32 Halaman <i>Create</i> Akun Wali Murid..... | 108 |
| Gambar V.33 Halaman <i>View</i> Akun Guru..... | 108 |
| Gambar V.34 Halaman <i>View</i> Akun Siswa..... | 109 |
| Gambar V.35 Halaman <i>View</i> Akun Wali Murid..... | 109 |
| Gambar V.36 Halaman <i>Create</i> Informasi..... | 110 |
| Gambar V.37 <i>Response Time</i> 50 Pengguna..... | 112 |
| Gambar V.38 <i>Throughput</i> 50 Pengguna..... | 112 |
| Gambar V.39 <i>Response Time</i> 75 Pengguna..... | 113 |
| Gambar V.40 <i>Throughput</i> 75 Pengguna..... | 113 |
| Gambar V.41 <i>Response Time</i> 100 Pengguna..... | 114 |
| Gambar V.42 <i>Throughput</i> 100 Pengguna..... | 114 |
| Gambar V.43 Grafik Hasil <i>Load Testing</i> | 114 |