# DAFTAR ISI

LEMBAR JUDUL

[KATA PENGANTAR i](#_Toc505346210)

[DAFTAR ISI ii](#_Toc505346211)

[DAFTAR TABEL x](#_Toc505346212)

[DAFTAR GAMBAR xiv](#_Toc505346213)

[DAFTAR LAMPIRAN xxii](#_Toc505346214)

[BAB 1 PENDAHULUAN 1](#_Toc505346215)

[1.1. Latar Belakang 1](#_Toc505346216)

[1.2. Identifikasi Masalah 2](#_Toc505346217)

[1.3. Maksud dan Tujuan 2](#_Toc505346218)

[1.3.1. Maksud 2](#_Toc505346219)

[1.3.2. Tujuan 3](#_Toc505346220)

[1.4. Manfaat 3](#_Toc505346221)

[1.5. Batasan Masalah 3](#_Toc505346222)

[1.6. Metologi Penelitian 3](#_Toc505346223)

[1.6.1. Tahap Pengumpulan Data 3](#_Toc505346224)

[1.6.2. Tahap Perancangan Perangkat Lunak 4](#_Toc505346225)

[1.7. Sistematika Penulisan 5](#_Toc505346226)

[BAB 2 TINJAUAN PUSTAKA 6](#_Toc505346227)

[2.1. Profil Tempat KP 6](#_Toc505346228)

[2.1.1. Sejarah Perusahaan 6](#_Toc505346229)

[2.1.2. Visi 7](#_Toc505346230)

[2.1.3. Misi 7](#_Toc505346231)

[2.1.4. Logo Instansi 8](#_Toc505346232)

[2.1.5. Struktur Organisasi 9](#_Toc505346233)

[2.1.6. Deskripsi Kerja 10](#_Toc505346234)

[2.1.7. Bidang Usaha Perusahaan 12](#_Toc505346235)

[2.2. Landasan Teori 12](#_Toc505346236)

[2.2.2. Pengertian Analisis 15](#_Toc505346237)

[2.2.3. Pengertian Pembangunan 15](#_Toc505346238)

[2.2.4. Pengertian Aplikasi 15](#_Toc505346239)

[2.2.5. Pengertian *Inventory* 15](#_Toc505346240)

[2.2.6. Pengertian Gudang 15](#_Toc505346241)

[2.2.7. Pengertian Divisi 16](#_Toc505346242)

[2.2.8. Konsep Umum Distribusi 16](#_Toc505346243)

[2.2.9. Konsep Umum Persediaan 17](#_Toc505346244)

[BAB 3 PEMBAHASAN 19](#_Toc505346245)

[3.1. Analisis Masalah 19](#_Toc505346246)

[3.2. Analisis Prosedur 19](#_Toc505346247)

[3.3. Analisis Kebutuhan Non-Fungsional 27](#_Toc505346248)

[3.3.1. Analisis Kebutuhan Perangkat Keras 27](#_Toc505346249)

[3.3.2. Analisis Kebutuhan Perangkat Lunak 28](#_Toc505346250)

[3.3.3. Analisis Perangkat Pikir (*Brainware*) 28](#_Toc505346251)

[3.3.4. Analisis Kebutuhan Pengkodean 29](#_Toc505346252)

[3.4. Analisis Kebutuhan Fungsional 29](#_Toc505346253)

[3.5. Model *Use Case* 30](#_Toc505346254)

[3.5.1. *Use Case* Diagram 31](#_Toc505346255)

[3.5.2. Definisi Aktor 32](#_Toc505346256)

[3.5.3. Definisi *Use Case* 32](#_Toc505346257)

[3.5.5. Skenario *Use Case* 40](#_Toc505346258)

[3.6. *Acitvity Diagram* 72](#_Toc505346259)

[3.6.1. *Activity Diagram* *Login* 73](#_Toc505346260)

[3.6.2. *Activity Diagram* Pengelolaan Produk 74](#_Toc505346261)

[3.6.3. *Activity Diagram* Tambah\_Produk 75](#_Toc505346262)

[3.6.4. *Activity Diagram* Ubah\_Produk 76](#_Toc505346263)

[3.6.5. *Activity Diagram* Simpan\_Ubah\_Produk 77](#_Toc505346264)

[3.6.6. *Activity Diagram* Batal\_Ubah\_Produk 78](#_Toc505346265)

[3.6.7. *Activity Diagram* Hapus\_Produk 79](#_Toc505346266)

[3.6.8. *Activity Diagram* *Reset*\_Produk 80](#_Toc505346267)

[3.6.9. *Activity Diagram* Cari\_Produk 81](#_Toc505346268)

[3.6.10. *Activity Diagram Recycle\_Bin* 82](#_Toc505346269)

[3.6.11. *Activity Diagram Restore\_Recycle\_Bin* 83](#_Toc505346270)

[3.6.12. *Activity Diagram* Refresh\_Recycle\_Bin 84](#_Toc505346271)

[3.6.13. *Activity Diagram* Pemesanan\_Produk 85](#_Toc505346272)

[3.6.14. *Activity Diagram* Tambah\_Pemesanan 86](#_Toc505346273)

[3.6.15. *Activity Diagram* Simpan\_Pemesanan 87](#_Toc505346274)

[3.6.16. *Activity Diagram* Batal\_Pemensanan 88](#_Toc505346275)

[3.6.17. *Activity Diagram* Cari\_Pemesanan 89](#_Toc505346276)

[3.6.18. *Activity Diagram* Penerimaan\_Produk 90](#_Toc505346277)

[3.6.19. *Activity Diagram* Tambah\_Penerimaan 91](#_Toc505346278)

[3.6.20. *Activity Diagram* Simpan\_Penerimaan 92](#_Toc505346279)

[3.6.21. *Activity Diagram* Batal\_Penerimaan 93](#_Toc505346280)

[3.6.22. *Activity Diagram* Cari\_Penerimaan 94](#_Toc505346281)

[3.6.23. *Activity Diagram* Pengiriman\_Produk 95](#_Toc505346282)

[3.6.24. *Activity Diagram* Tambah\_ Pengiriman 96](#_Toc505346283)

[3.6.25. *Activity Diagram* Simpan\_ Pengiriman 97](#_Toc505346284)

[3.6.26. *Activity Diagram* Batal\_ Pengiriman 98](#_Toc505346285)

[3.6.27. *Activity Diagram* Cari\_ Pengiriman 99](#_Toc505346286)

[3.6.28. *Activity Diagram* Pengembalian\_Produk 100](#_Toc505346287)

[3.6.29. *Activity Diagram* Tambah\_Pengembalian 101](#_Toc505346288)

[3.6.30. *Activity Diagram* Simpan\_Pengembalian 102](#_Toc505346289)

[3.6.31. *Activity Diagram* Batal\_Pengembalian 103](#_Toc505346290)

[3.6.32. *Activity Diagram* Cari\_Pengembalian 104](#_Toc505346291)

[3.6.33. *Activity Diagram* Mitra 105](#_Toc505346292)

[3.6.34. *Activity Diagram* Tambah\_Mitra 106](#_Toc505346293)

[3.6.35. *Activity Diagram* Simpan\_Tambah\_Mitra 107](#_Toc505346294)

[3.6.36. *Activity Diagram* Batal\_Tambah\_Mitra 108](#_Toc505346295)

[3.6.37. *Activity Diagram* Ubah\_Mitra 108](#_Toc505346296)

[3.6.38. *Activity Diagram* Simpan\_Ubah\_Mitra 109](#_Toc505346297)

[3.6.39. *Activity Diagram* Batal\_Ubah\_Mitra 110](#_Toc505346298)

[3.6.40. *Activity Diagram* Cari\_Mitra 111](#_Toc505346299)

[3.6.41. *Activity Diagram* User 112](#_Toc505346300)

[3.6.42. *Activity Diagram* Tambah\_User 113](#_Toc505346301)

[3.6.43. *Activity Diagram* Simpan\_Tambah\_User 114](#_Toc505346302)

[3.6.44. *Activity Diagram* Batal\_Tambah\_User 115](#_Toc505346303)

[3.6.45. *Activity Diagram* Ubah\_User 115](#_Toc505346304)

[3.6.46. *Activity Diagram* Simpan\_Ubah\_User 116](#_Toc505346305)

[3.6.47. *Activity Diagram* Batal\_Ubah\_User 117](#_Toc505346306)

[3.6.48. *Activity Diagram* Regional 118](#_Toc505346307)

[3.6.49. *Activity Diagram* Tambah\_Regional 119](#_Toc505346308)

[3.6.50. *Activity Diagram* Simpan\_Tambah\_Regional 120](#_Toc505346309)

[3.6.51. *Activity Diagram* Batal\_Tambah\_Regional 121](#_Toc505346310)

[3.6.52. *Activity Diagram* Ubah\_Regional 121](#_Toc505346311)

[3.6.53. *Activity Diagram* Simpan\_Ubah\_Regional 122](#_Toc505346312)

[3.6.54. *Activity Diagram* Batal\_Ubah\_Regional 123](#_Toc505346313)

[3.6.55. *Activity Diagram* Cari\_Regional 124](#_Toc505346314)

[3.6.56. *Activity Diagram* Laporan 125](#_Toc505346315)

[3.6.57. *Activity Diagram* Pilih 126](#_Toc505346316)

[3.6.58. *Activity Diagram* *Export* 127](#_Toc505346317)

[3.6.59. *Activity Diagram* *Logout* 128](#_Toc505346318)

[3.6.60. *Activity Diagram Backup*\_dan\_*Restore* 129](#_Toc505346319)

[3.6.61. A*ctivity Diagram* Pilih\_Folder 130](#_Toc505346320)

[3.6.62. *Activity Diagram* Backup 131](#_Toc505346321)

[3.6.63. *Activity Diagram* Pilih\_File 132](#_Toc505346322)

[3.6.64. *Activity Diagram* Restore 133](#_Toc505346323)

[3.6.65. Activity Diagram Admin 133](#_Toc505346324)

[3.7. *Sequence Diagram* 134](#_Toc505346325)

[3.7.1. *Sequence Diagram Login* 134](#_Toc505346326)

[3.7.2. *Sequence Diagram* Pengelolaan\_Produk 135](#_Toc505346327)

[3.7.3. *Sequence Diagram* Tambah\_Produk 135](#_Toc505346328)

[3.7.4. *Sequence Diagram* Ubah\_Produk 136](#_Toc505346329)

[3.7.5. *Sequence Diagram* Simpan\_Ubah\_Produk 137](#_Toc505346330)

[3.7.6. *Sequence Diagram* Batal\_Ubah\_Produk 137](#_Toc505346331)

[3.7.7. *Sequence Diagram* Hapus\_Produk 138](#_Toc505346332)

[3.7.8. *Sequence Diagram* Reset\_Produk 138](#_Toc505346333)

[3.7.9. *Sequence Diagram* Cari\_Produk 139](#_Toc505346334)

[3.7.10. *Sequence Diagram* *Recycle\_Bin* 139](#_Toc505346335)

[3.7.11. *Sequence Diagram Restore\_Recycle\_Bin* 140](#_Toc505346336)

[3.7.12. *Sequence Diagram* Refresh Recycle\_Bin 140](#_Toc505346337)

[3.7.13. *Sequence Diagram* Pemesanan\_Produk 140](#_Toc505346338)

[3.7.14. *Sequence Diagram* Tambah\_Pemesanan 141](#_Toc505346339)

[3.7.15. *Sequence Diagram* Simpan\_Pemesanan 141](#_Toc505346340)

[3.7.16. *Sequence Diagram* Batal\_Pemesanan 141](#_Toc505346341)

[3.7.17. *Sequence Diagram* Cari\_Pemesanan 142](#_Toc505346342)

[3.7.18. *Sequence Diagram* Penerimaan\_Produk 142](#_Toc505346343)

[3.7.19. *Sequence Diagram* Tambah\_Penerimaan 142](#_Toc505346344)

[3.7.20. *Sequence Diagram* Simpan\_Penerimaan 143](#_Toc505346345)

[3.7.21. *Sequence Diagram* Batal\_Penerimaan 143](#_Toc505346346)

[3.7.22. *Sequence Diagram* Cari\_Penerimaan 144](#_Toc505346347)

[3.7.23. *Sequence Diagram* Pengiriman\_Produk 144](#_Toc505346348)

[3.7.24. *Sequence Diagram* Tambah\_ Pengiriman 144](#_Toc505346349)

[3.7.25. *Sequence Diagram* Simpan\_ Pengiriman 145](#_Toc505346350)

[3.7.26. *Sequence Diagram* Batal\_ Pengiriman 145](#_Toc505346351)

[3.7.27. *Sequence Diagram* Cari\_ Pengiriman 146](#_Toc505346352)

[3.7.28. *Sequence Diagram* Pengembalian\_Produk 146](#_Toc505346353)

[3.7.29. *Sequence Diagram* Tambah\_Pengembalian 146](#_Toc505346354)

[3.7.30. *Sequence Diagram* Simpan\_Pengembalian 147](#_Toc505346355)

[3.7.31. *Sequence Diagram* Batal\_Pengembalian 147](#_Toc505346356)

[3.7.32. *Sequence Diagram* Cari\_Pengembalian 148](#_Toc505346357)

[3.7.33. *Sequence Diagram* Mitra 148](#_Toc505346358)

[3.7.34. *Sequence Diagram* Tambah\_Mitra 149](#_Toc505346359)

[3.7.35. *Sequence Diagram* Simpan\_Tambah\_Mitra 149](#_Toc505346360)

[3.7.36. *Sequence Diagram* Batal\_Tambah\_Mitra 150](#_Toc505346361)

[3.7.37. *Sequence Diagram* Ubah\_Mitra 150](#_Toc505346362)

[3.7.38. *Sequence Diagram* Simpan\_Ubah\_Mitra 151](#_Toc505346363)

[3.7.39. *Sequence Diagram* Batal\_Ubah\_Mitra 151](#_Toc505346364)

[3.7.40. *Sequence Diagram* Cari \_Mitra 151](#_Toc505346365)

[3.7.41. *Sequence Diagram* User 152](#_Toc505346366)

[3.7.42. *Sequence Diagram* Tambah\_User 152](#_Toc505346367)

[3.7.43. *Sequence Diagram* Simpan\_Tambah\_User 153](#_Toc505346368)

[3.7.44. *Sequence Diagram* Batal\_Tambah\_User 153](#_Toc505346369)

[3.7.45. *Sequence Diagram* Ubah \_User 154](#_Toc505346370)

[3.7.46. *Sequence Diagram* Simpan\_Ubah \_User 154](#_Toc505346371)

[3.7.47. *Sequence Diagram* Batal\_Ubah \_User 155](#_Toc505346372)

[3.7.48. *Sequence Diagram* Regional 155](#_Toc505346373)

[3.7.49. *Sequence Diagram* Tambah\_Regional 156](#_Toc505346374)

[3.7.50. *Sequence Diagram* Simpan\_Tambah\_Regional 156](#_Toc505346375)

[3.7.51. *Sequence Diagram* Batal\_Tambah\_Regional 157](#_Toc505346376)

[3.7.52. *Sequence Diagram* Ubah\_Regional 157](#_Toc505346377)

[3.7.53. *Sequence Diagram* Simpan\_Ubah\_Regional 158](#_Toc505346378)

[3.7.54. *Sequence Diagram* Batal\_Ubah\_Regional 158](#_Toc505346379)

[3.7.55. *Sequence Diagram* Cari Regional 158](#_Toc505346380)

[3.7.56. *Sequence Diagram* Laporan 159](#_Toc505346381)

[3.7.57. *Sequence Diagram* Pilih 159](#_Toc505346382)

[3.7.58. *Sequence Diagram* Export 160](#_Toc505346383)

[3.7.59. *Sequence Diagram* Logout 160](#_Toc505346384)

[3.7.60. *Sequence Diagram Backup*\_dan\_*Restore* 161](#_Toc505346385)

[3.7.61. *Sequence Diagram* Pilih\_Folder 161](#_Toc505346386)

[3.7.62. *Sequence Diagram* *Backup* 162](#_Toc505346387)

[3.7.63. *Sequence Diagram* Pilih\_File 162](#_Toc505346388)

[3.7.64. *Sequence Diagram* *Restore* 163](#_Toc505346389)

[3.7.65. *Sequence Diagram* Admin 163](#_Toc505346390)

[3.8. Class Diagram 163](#_Toc505346391)

[3.9. Perancangan Sistem 165](#_Toc505346392)

[3.9.1. Perancangan Data 165](#_Toc505346393)

[3.9.2. Perancangan Antar Muka 170](#_Toc505346394)

[3.9.3. Jaringan Semantik 189](#_Toc505346395)

[3.10. Implementasi Sistem 191](#_Toc505346396)

[3.10.1. Implementasi Basis Data 191](#_Toc505346397)

[3.10.2. Implementasi Antarmuka 194](#_Toc505346398)

[3.11. Pengujian Sistem 205](#_Toc505346399)

[3.11.1. Rencana Pengujian 205](#_Toc505346400)

[3.11.2. Equivalence partitioning testing 206](#_Toc505346401)

[BAB 4 KESIMPULAN DAN SARAN 215](#_Toc505346402)

[4.1. Kesimpulan 215](#_Toc505346403)

[4.2. Saran 215](#_Toc505346404)

[DAFTAR PUSTAKA 216](#_Toc505346405)