

## DAFTAR ISI

|                                               |      |
|-----------------------------------------------|------|
| PERNYATAAN .....                              | iii  |
| HALAMAN PERSETUJUAN .....                     | iv   |
| HALAMAN PENGESAHAN .....                      | v    |
| HALAMAN PERSEMBAHAN .....                     | vi   |
| MOTTO .....                                   | viii |
| INTISARI .....                                | ix   |
| ABSTRACT .....                                | x    |
| RIWAYAT HIDUP .....                           | xi   |
| KATA PENGANTAR.....                           | xii  |
| DAFTAR ISI.....                               | xiv  |
| DAFTAR GAMBAR .....                           | xvii |
| DAFTAR TABEL .....                            | xx   |
| BAB I .....                                   | 1    |
| PENDAHULUAN.....                              | 1    |
| 1.1 Latar Belakang .....                      | 1    |
| 1.2 Ruang Lingkup Permasalahan .....          | 3    |
| 1.3 Rumusan Masalah .....                     | 3    |
| 1.4 Tujuan Penelitian .....                   | 3    |
| 1.5 Manfaat Penelitian .....                  | 4    |
| 1.6 Sistematika Penulisan .....               | 4    |
| BAB II .....                                  | 6    |
| LANDASAN TEORI .....                          | 6    |
| 2.1 Potensi Wisata dan UMKM di Kemiling ..... | 6    |
| 2.1.1 Potensi Wisata di Kemiling .....        | 6    |
| 2.1.2 Potensi UMKM di Kemiling.....           | 7    |
| 2.2 Android .....                             | 8    |
| 2.3 Android Studio .....                      | 9    |
| 2.4 Java.....                                 | 9    |
| 2.5 Location Based Service (LBS) .....        | 10   |
| 2.6 PHP (Hypertext Preprocessor) .....        | 10   |
| 2.7 MySQL.....                                | 10   |

|                             |                                                             |    |
|-----------------------------|-------------------------------------------------------------|----|
| 2.8                         | Metode Rapid Application Development (RAD) .....            | 11 |
| 2.9                         | Algoritma Dijkstra .....                                    | 11 |
| 2.10                        | Unified Modeling Language (UML) .....                       | 12 |
| 2.11                        | Black box Testing .....                                     | 13 |
| 2.12                        | Penelitian Terdahulu .....                                  | 13 |
| BAB III .....               |                                                             | 18 |
| METODOLOGI PENELITIAN ..... |                                                             | 18 |
| 3.1                         | Alur Penelitian.....                                        | 18 |
| 3.2                         | Metode Pengumpulan Data.....                                | 19 |
| 3.3                         | Metode Pengembangan Perangkat Lunak .....                   | 19 |
| 3.3.1                       | Requirement Planning (Perancangan Kebutuhan) .....          | 20 |
| 3.3.2                       | Perancangan Sistem.....                                     | 21 |
| 3.3.3                       | Pembangunan dan Prototipe .....                             | 22 |
| 3.3.4                       | Algoritma Dijkstra .....                                    | 22 |
| 3.3.5                       | Pengkodean dan Integrasi Sistem (Constructiton) .....       | 23 |
| 3.3.6                       | Implementasi (Cutover) .....                                | 24 |
| BAB IV .....                |                                                             | 25 |
| HASIL DAN PEMBAHASAN .....  |                                                             | 25 |
| 4.1                         | Tahapan Requirement Planning.....                           | 25 |
| 4.1.1                       | Analisis Masalah .....                                      | 25 |
| 4.1.2                       | Analisis Kebutuhan Sistem.....                              | 25 |
| 4.2                         | Tahapan Perancangan Sistem .....                            | 26 |
| 4.3                         | Tahapan Pembangunan dan Prototipe .....                     | 35 |
| 4.4                         | Penerapan Algoritma Dijkstra .....                          | 45 |
| 4.5                         | Tahapan Pengkodean dan Integrasi Sistem (Contruction) ..... | 51 |
| 4.6                         | Tahapan Implementasi (Cutover) .....                        | 70 |
| 4.6.1                       | Halaman Login .....                                         | 70 |
| 4.6.2                       | Halaman Daftar.....                                         | 71 |
| 4.6.3                       | Halaman Beranda .....                                       | 72 |
| 4.6.4                       | Halaman Terdekat .....                                      | 73 |
| 4.6.5                       | Halaman Akun .....                                          | 74 |
| 4.6.6                       | Halaman Produk Detail.....                                  | 75 |
| 4.6.7                       | Halaman Pemesanan/Pembayaran .....                          | 76 |

|                                               |    |
|-----------------------------------------------|----|
| 4.6.8 Halaman Lokasi .....                    | 77 |
| 4.6.9 Halaman Status Transaksi .....          | 78 |
| 4.6.10 Halaman Konfirmasi Transaksi .....     | 79 |
| 4.6.11 Halaman Produk Saya.....               | 81 |
| 4.6.12 Halaman Tambah Produk.....             | 82 |
| 4.6.13 Halaman Hasil Algoritma Dijkstra ..... | 82 |
| 4.7 Pengujian Sistem .....                    | 86 |
| 4.8 Distribusi Aplikasi .....                 | 87 |
| BAB V .....                                   | 89 |
| KESIMPULAN.....                               | 89 |
| 5.1 Kesimpulan .....                          | 89 |
| 5.2 Saran .....                               | 89 |
| Daftar Pustaka .....                          | 91 |