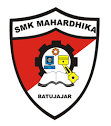
**LAPORAN UJI KOMPETENSI**

**SMK MAHARDHIKA BATUJAJAR**

**JURUSAN REKAYASA PERANGKAT LUNAK**

****

**DISUSUN OLEH :**

**NAMA : Jonathan Roy Imanuel**

**KELAS : XII RPL 2**

**NOMOR INDUK SISWA : 2021.10.366**

**KOMPETENSI KEAHLIAN : Rekayasa Perangkat Lunak**

**YAYASAN BUDI ASIH NIDETA**

**TAHUN AJARAN 2022-2023**

**LAPORAN PENGERJAAN UJI KOMPETENSI KEJURUAN**

**SMK MAHARDHIKA BATUJAJAR**

**TAHUN PELAJARAN 2022-2023**

KOMPETENSI KEAHLIAN : Rekayasa Perangkat Lunak

KELAS : XII RPL 2

NAMA LENGKAP : Jonathan Roy Imanuel

NIS : 2021.10.366

PAKET SOAL : 2 (Pengaduan Masyarakat)

JENIS APLIKASI : Web

ALOKASI WAKTU : 24 jam

**1. PENJADWALAN KEGIATAN**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Kegiatan** | **Alokasi waktu** | | | | | | | | | | | | | | | | | | | | | | | |  |
| Minggu ke-1 | | | Minggu ke-2 | | | Minggu ke-3 | | | Minggu Ke-4 | | | | Minggu ke-5 | | | | Minggu Ke-6 | | | | Minggu ke-7 | | |  |
| S | R | K | S | R | K | S | R | K | S | R | K | S | | S | R | S | | S | R | S | | S | R |  |
| 1 | Analisis Soal |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 2 | Persiapan Perangkat |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 3 | Persiapan Sofware |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 4 | Perancangan Algoritma |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 5 | Desain Database |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 6 | Implementasi Database/buat ke SQL |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 7 | Desain User Interface |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 8 | Implementasi Kode Program |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 9 | Uji coba Apk |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 10 | Upload ke hosting |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |
| 11 | Dokumentasi(User) |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  | |  |  |  | |  |  |  |

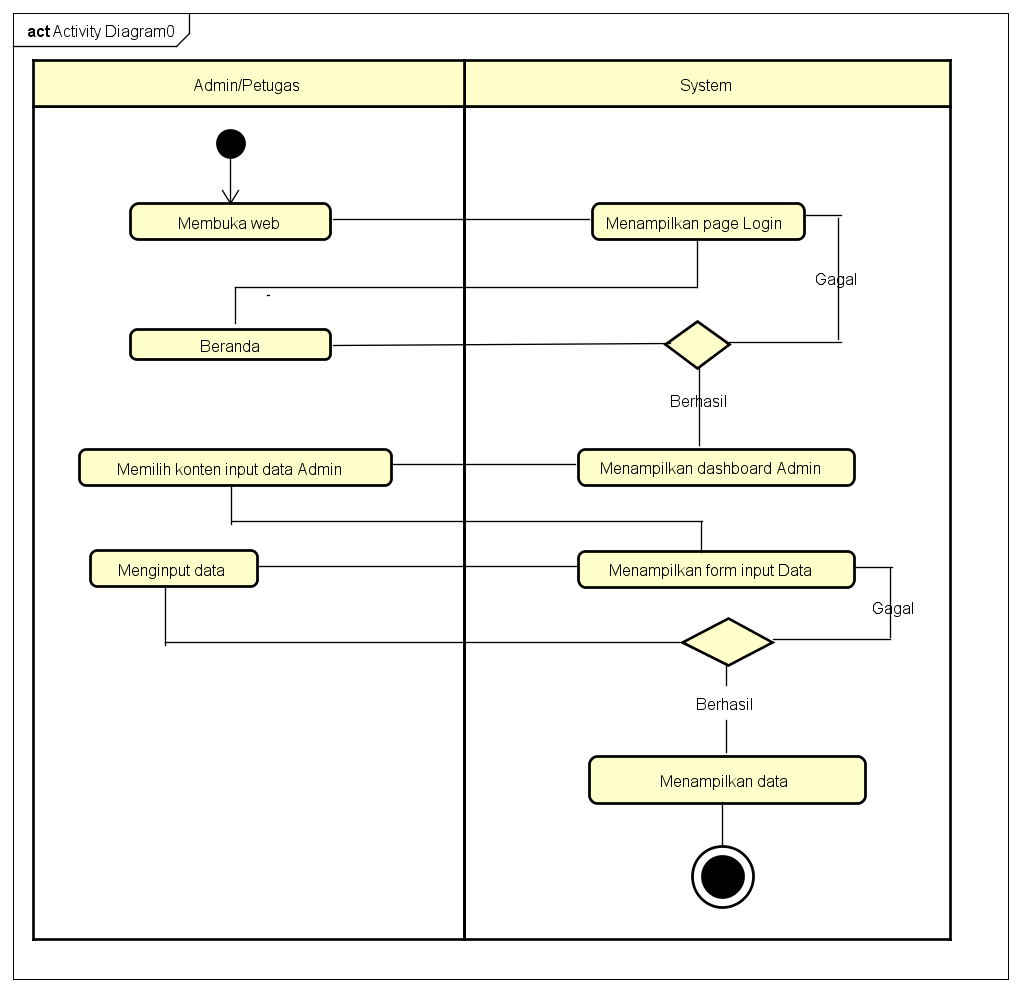
**2. PERSIAPAN PERANGKAT KERAS**

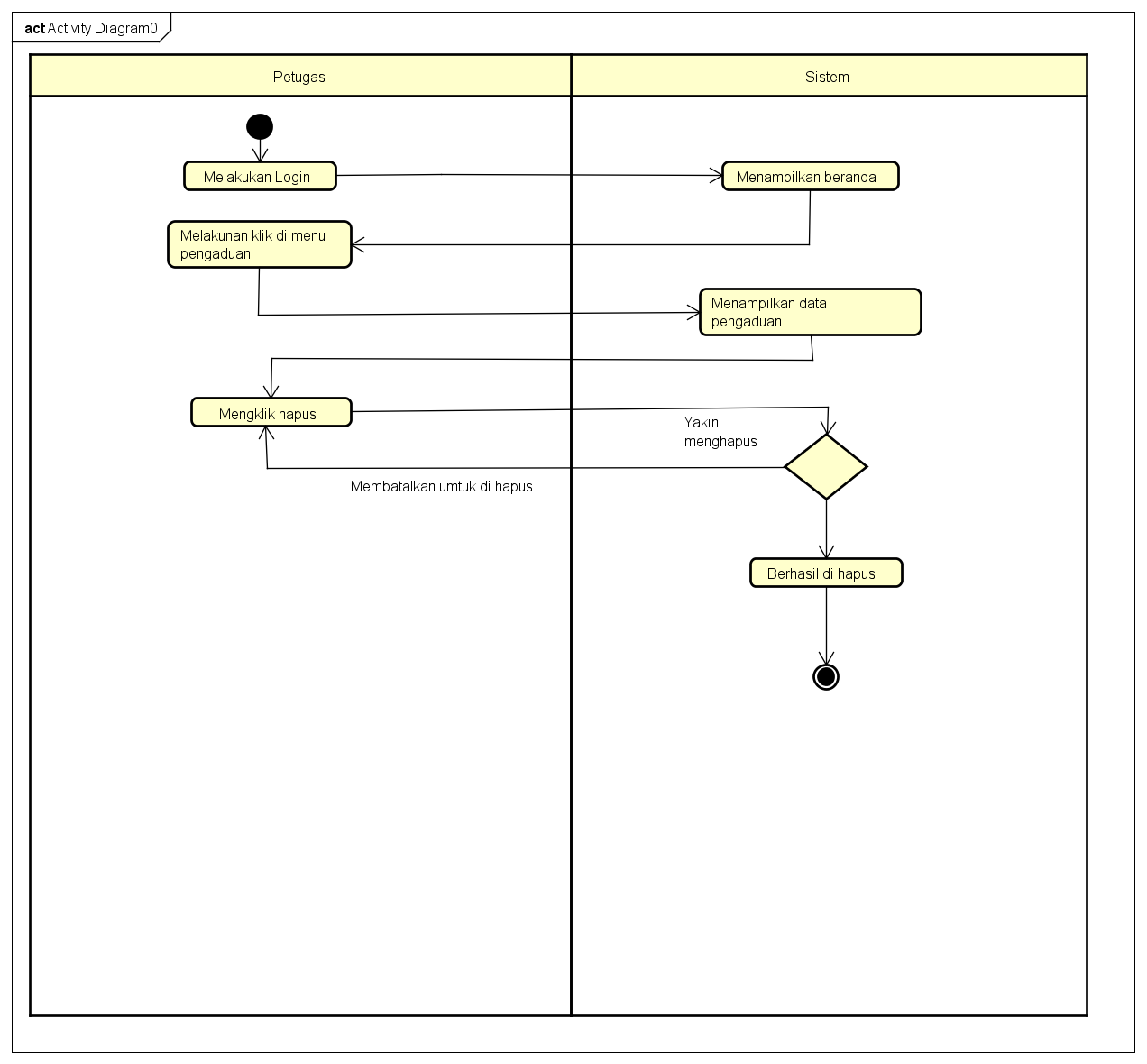
* **Prosessor IntelCore Duo Cpu E7500 @ 2.93 GHz 2.92 GHz**
* **RAM 6 GB**
* **Monitor**
* **Keyboard**
* **Mouse**
* **Casing CPU**

**3. PERSIAPAN PERANGKAT LUNAK**

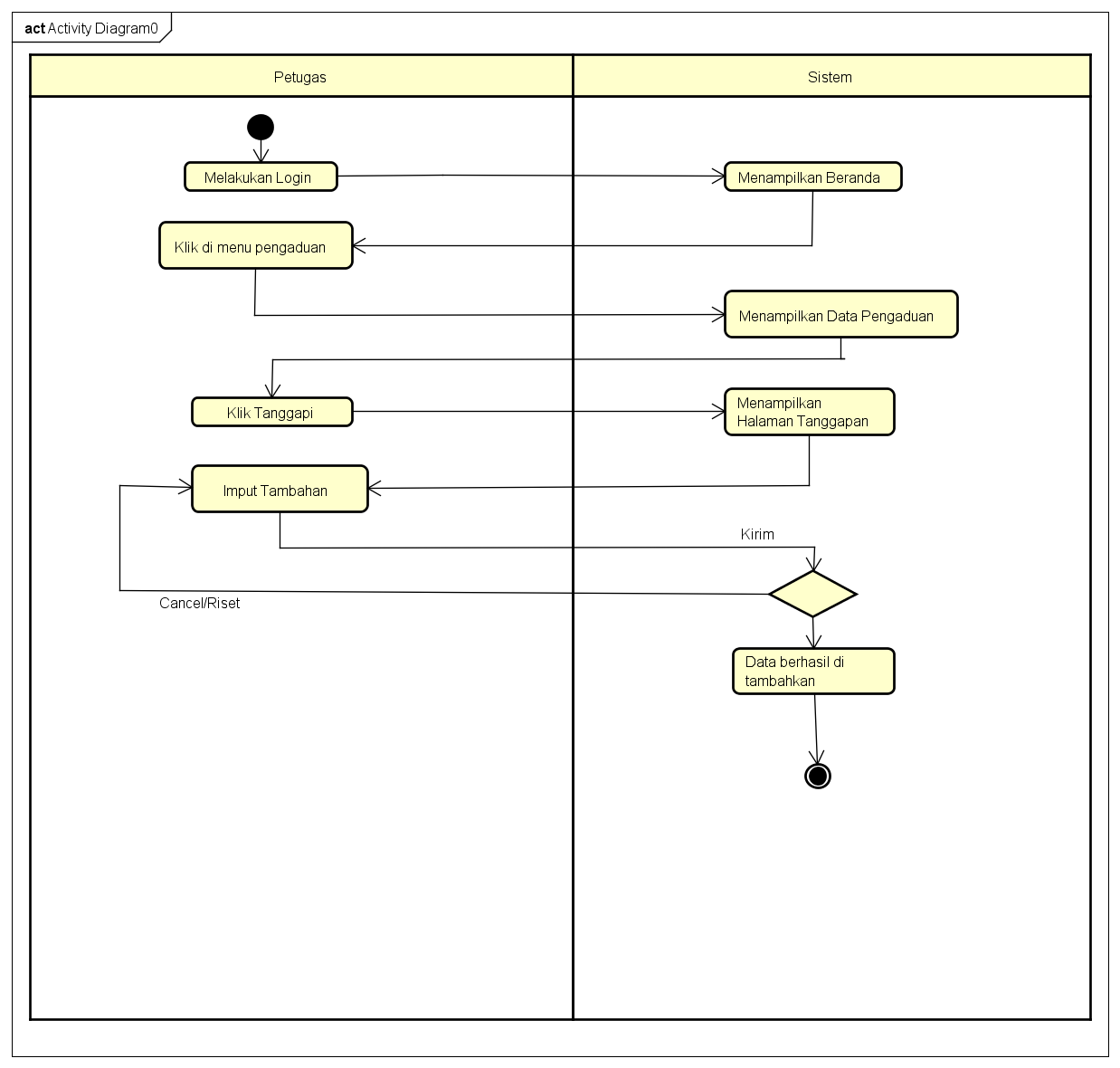
1. **Os Windows 7 ultimate 64-bit**
2. **Xampp**
3. **Visual Studio Code**
4. **Astah**
5. **Ms. Word**
6. **Ms. Excel**
7. **Google Chrome**
8. **Balsamiq**

**4. PERANCANGAN ALGORITMA APLIKASI**

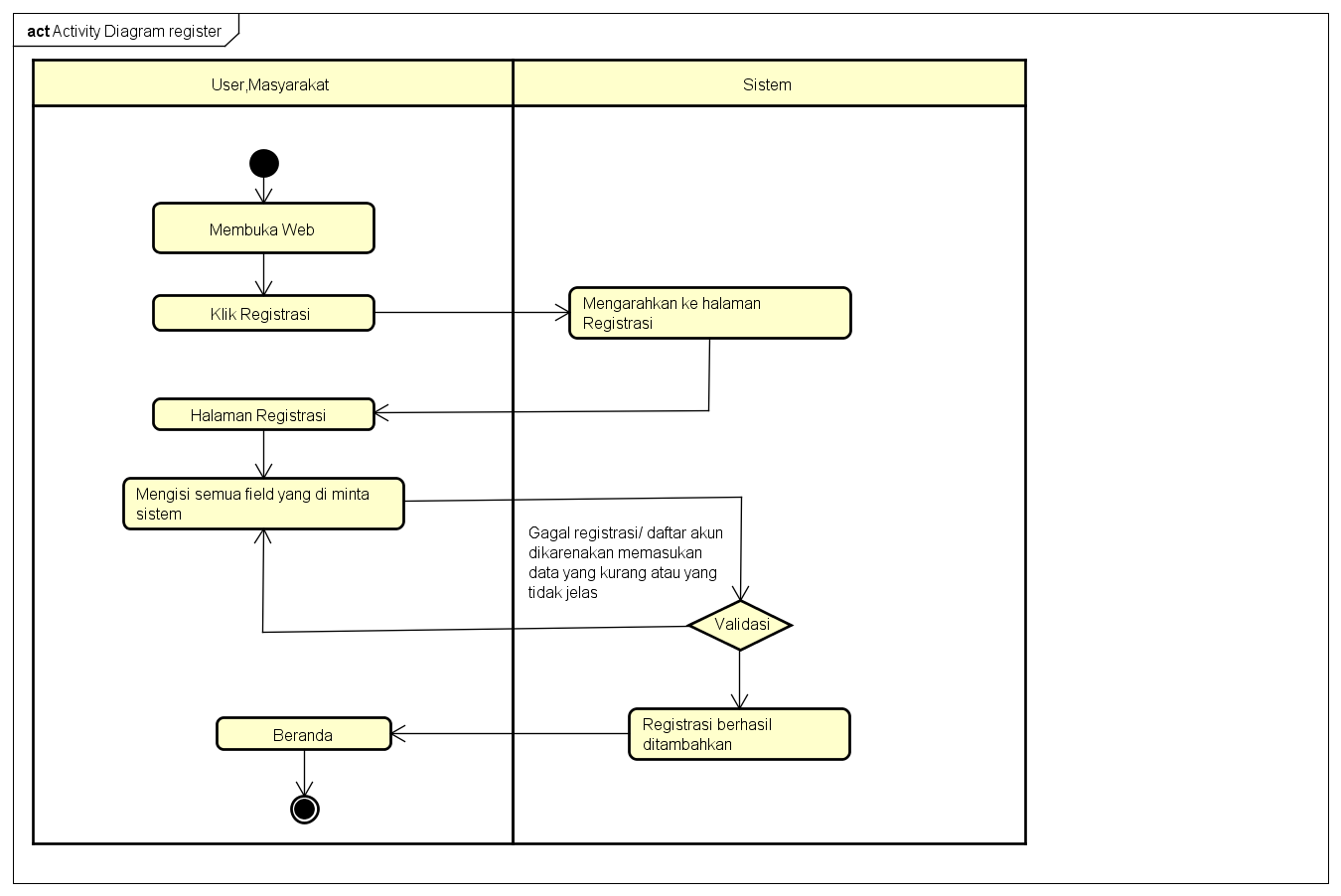
* **Activity Diagram**
* **Activity Diagram Hapus Pengaduan**

****

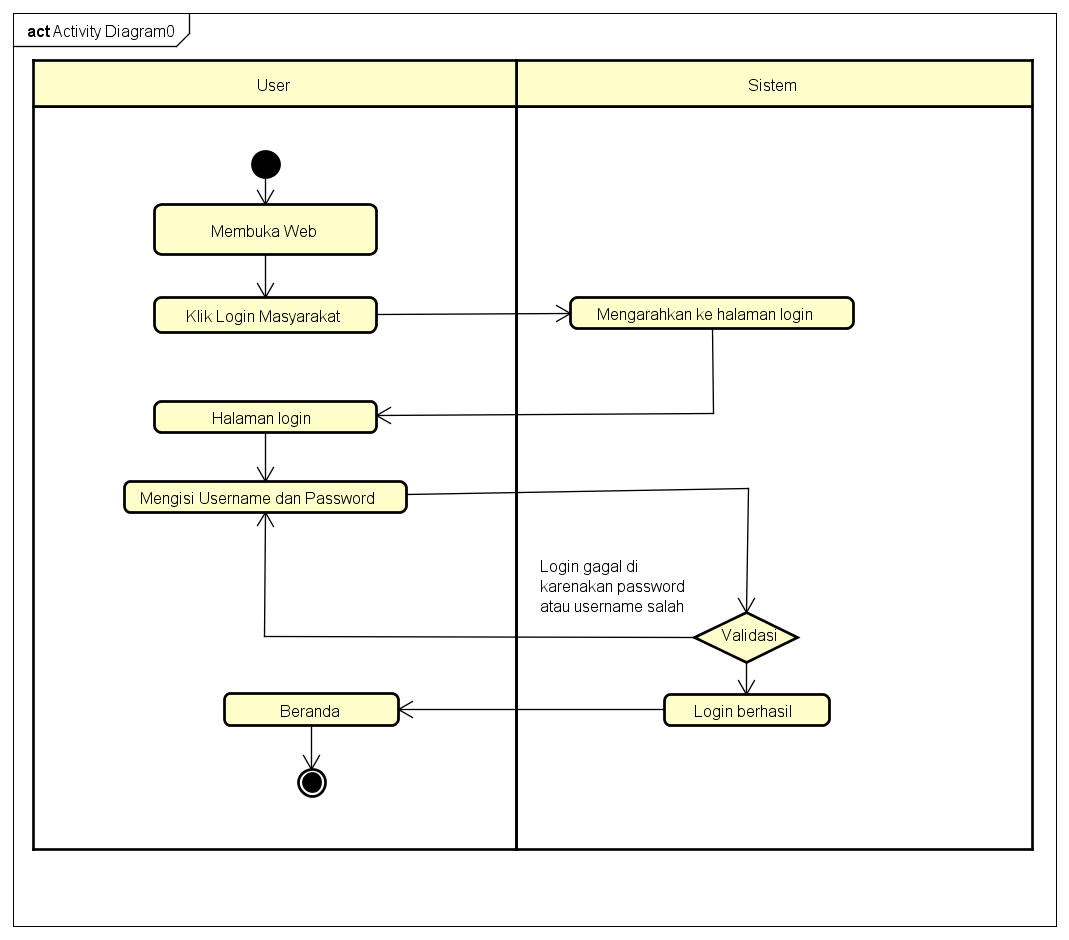
* **Activity Diagram Tanggapi Laporan**

****

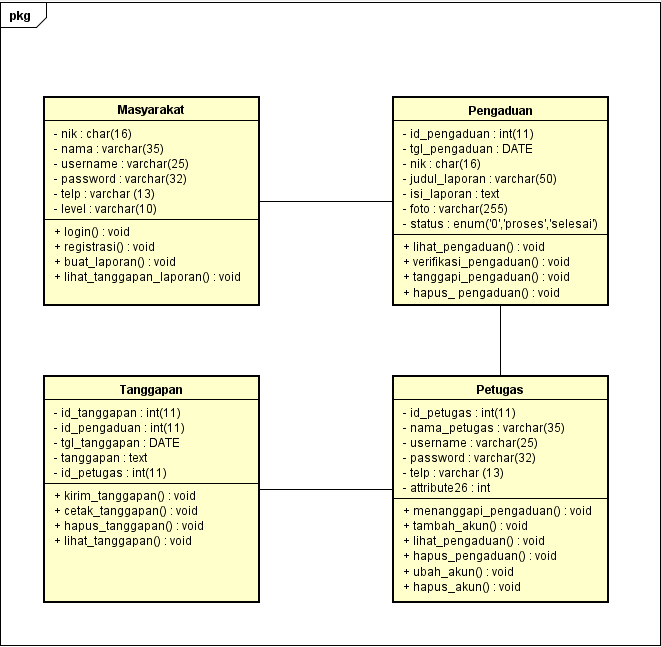
* **Activity Diagram Register**

****

* **Activity Diagram Login**

****

**5. PERANCANGAN DESAIN BASIS DATA**



**6. DUMMY DATA**

* **Masyarakat**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| nik | nama | username | password | telp | level |
| 0001 | Jonathan | jonathan | jonathan(MD5) | 081982779001 | masyarakat |
| 0002 | Faidan | faidan | faidan(MD5) | 081982779002 | masyarakat |
| 0003 | Cadera | cadera | cadera(MD5) | 081982779003 | masyarakat |
| 0004 | Haidan | haidan | haidan(MD5) | 081982779004 | masyarakat |
| 0005 | Legzed | legzed | legzed(MD5) | 081982779005 | masyarakat |

* **Petugas**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id\_petugas | nama\_petugas | username | password | telp | level |
| 1 | Frezz | frezz | frezz(MD5) | 081345235421 | admin |
| 2 | Jowzz | jowzz | jowzz(MD5) | 081345235422 | admin |
| 3 | Kowyz | kowyz | kowyz(MD5) | 081345235423 | admin |
| 4 | Loytz | loytz | loytz(MD5) | 081345235424 | petugas |
| 5 | Jetzz | jetzz | jetzz(MD5) | 081345235425 | petugas |

* **Pengaduan**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| id\_pengaduan | tgl\_pengaduan | nik | judul\_laporan | isi\_laporan | foto | status |
| 6 | 2023-03-10 | 0001 | Sampah di sungai | Sampah membuat air disekitar menjadi tidak jernih | 463-Sampah.jpg | selesai |
| 7 | 2023-03-10 | 0002 | Macet | Terlalu banyak kendaraan yang tidak mematuhi rambu lalu lintas | 891-Macet.jpg | proses |
| 8 | 2023-03-10 | 0003 | Data Palsu | Masyarakat sekitar memiliki keresahan tentang Data Palsu yang mulai menyebar | 123-Data palsu.jpg | selesai |

* **Tanggapan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id\_tanggapan | id\_pengaduan | tgl\_tanggapan | tanggapan | id\_petugas |
| 13 | 8 | 2023-03-10 | Kami akan menindak tegas bagi para pengguna data palsu agar kejadian ini tidak terulang! | 2 |
| 14 | 6 | 2023-03-10 | Kami sudah mengirimkan bala bantuan agar sungai dapat kembali bersih! | 2 |

**7. PEMBUATAN BASIS DATA (MySQL Code)**

* **BASIS DATA MASYARAKAT.**



* **BASIS DATA PENGADUAN.**



* **BASIS DATA PETUGAS.**



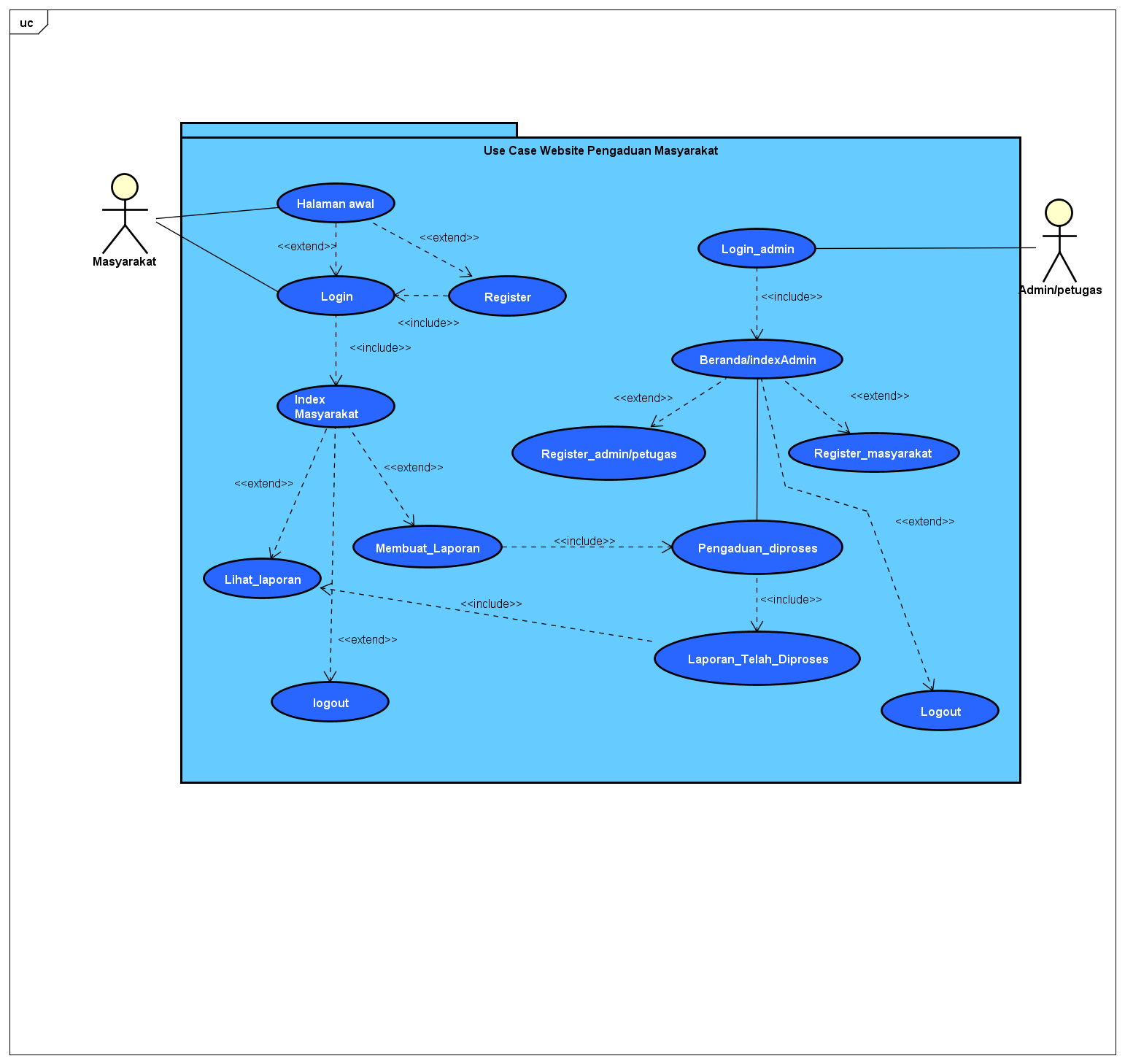
* **BASIS DATA TANGGAPAN.**



**8. PERANCANGAN TAMPILAN ANTARMUKA (UI) WEB**

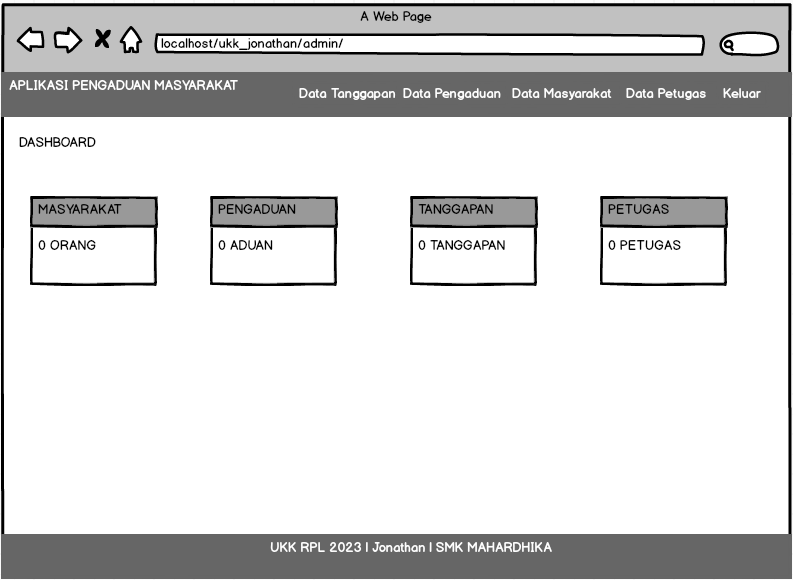
✓ **Aplikasi pengaduan masyarakat**

1.

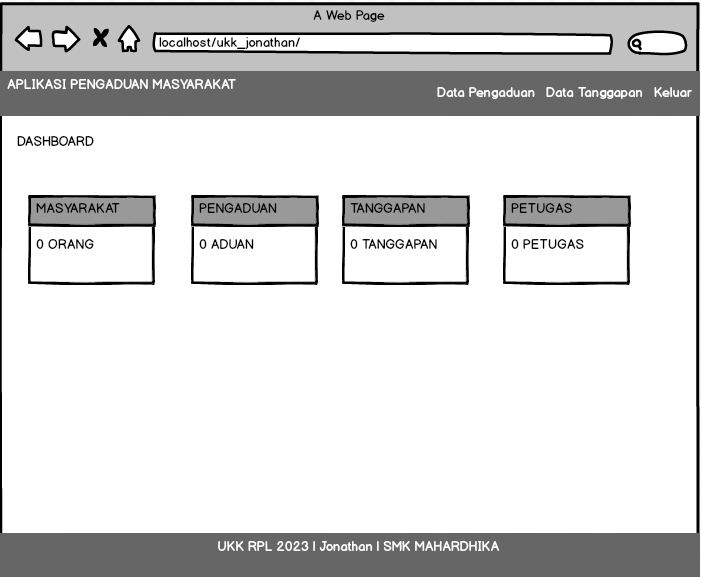


USECASE

s2. Admin dashboard

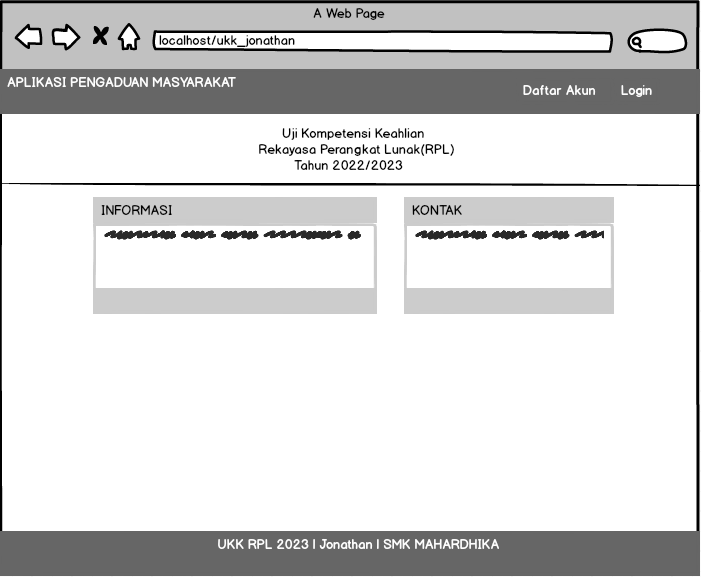


3. Tampilan Petugas

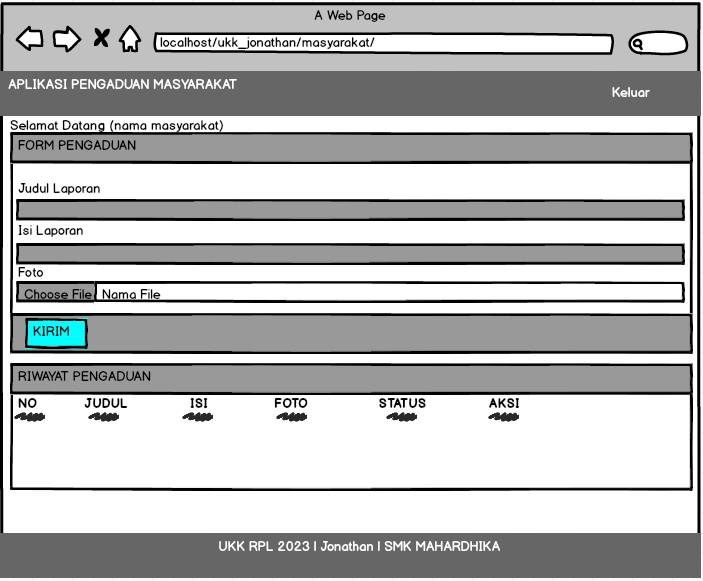


* Dashboard

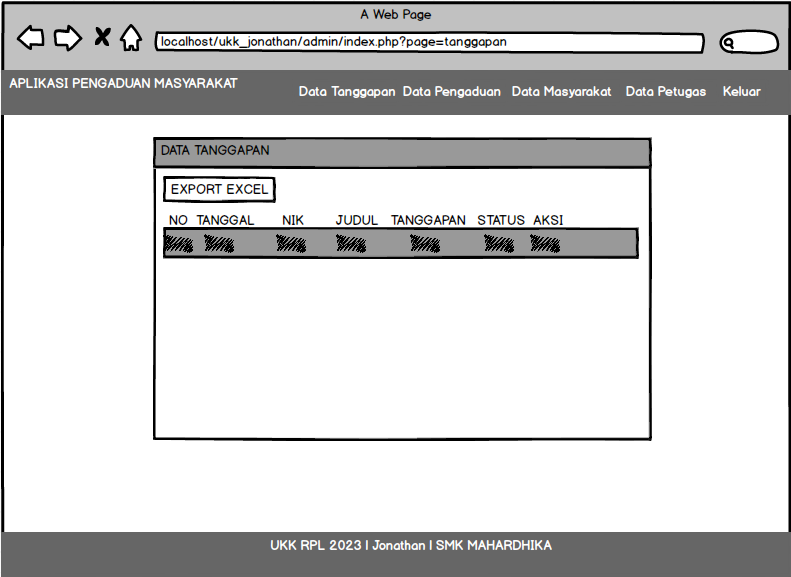
4. Tampilan masyarakat



* **About**



* **Halaman utama Masyarakat**



* **Halaman Tanggapan**

**9. PEMBUATAN STRUKTUR WEB (HTML)**

-

**10. PEMBUATAN STYLE WEB (CSS)**

**Bootstrap-reboot.min.css**

/\*!

 \* Bootstrap Reboot v5.3.0-alpha1 (https://getbootstrap.com/)

 \* Copyright 2011-2022 The Bootstrap Authors

 \* Licensed under MIT (https://github.com/twbs/bootstrap/blob/main/LICENSE)

 \*/:root,[data-bs-theme=light]{--bs-blue:#0d6efd;--bs-indigo:#6610f2;--bs-purple:#6f42c1;--bs-pink:#d63384;--bs-red:#dc3545;--bs-orange:#fd7e14;--bs-yellow:#ffc107;--bs-green:#198754;--bs-teal:#20c997;--bs-cyan:#0dcaf0;--bs-black:#000;--bs-white:#fff;--bs-gray:#6c757d;--bs-gray-dark:#343a40;--bs-gray-100:#f8f9fa;--bs-gray-200:#e9ecef;--bs-gray-300:#dee2e6;--bs-gray-400:#ced4da;--bs-gray-500:#adb5bd;--bs-gray-600:#6c757d;--bs-gray-700:#495057;--bs-gray-800:#343a40;--bs-gray-900:#212529;--bs-primary:#0d6efd;--bs-secondary:#6c757d;--bs-success:#198754;--bs-info:#0dcaf0;--bs-warning:#ffc107;--bs-danger:#dc3545;--bs-light:#f8f9fa;--bs-dark:#212529;--bs-primary-rgb:13,110,253;--bs-secondary-rgb:108,117,125;--bs-success-rgb:25,135,84;--bs-info-rgb:13,202,240;--bs-warning-rgb:255,193,7;--bs-danger-rgb:220,53,69;--bs-light-rgb:248,249,250;--bs-dark-rgb:33,37,41;--bs-primary-text:#0a58ca;--bs-secondary-text:#6c757d;--bs-success-text:#146c43;--bs-info-text:#087990;--bs-warning-text:#997404;--bs-danger-text:#b02a37;--bs-light-text:#6c757d;--bs-dark-text:#495057;--bs-primary-bg-subtle:#cfe2ff;--bs-secondary-bg-subtle:#f8f9fa;--bs-success-bg-subtle:#d1e7dd;--bs-info-bg-subtle:#cff4fc;--bs-warning-bg-subtle:#fff3cd;--bs-danger-bg-subtle:#f8d7da;--bs-light-bg-subtle:#fcfcfd;--bs-dark-bg-subtle:#ced4da;--bs-primary-border-subtle:#9ec5fe;--bs-secondary-border-subtle:#e9ecef;--bs-success-border-subtle:#a3cfbb;--bs-info-border-subtle:#9eeaf9;--bs-warning-border-subtle:#ffe69c;--bs-danger-border-subtle:#f1aeb5;--bs-light-border-subtle:#e9ecef;--bs-dark-border-subtle:#adb5bd;--bs-white-rgb:255,255,255;--bs-black-rgb:0,0,0;--bs-body-color-rgb:33,37,41;--bs-body-bg-rgb:255,255,255;--bs-font-sans-serif:system-ui,-apple-system,"Segoe UI",Roboto,"Helvetica Neue","Noto Sans","Liberation Sans",Arial,sans-serif,"Apple Color Emoji","Segoe UI Emoji","Segoe UI Symbol","Noto Color Emoji";--bs-font-monospace:SFMono-Regular,Menlo,Monaco,Consolas,"Liberation Mono","Courier New",monospace;--bs-gradient:linear-gradient(180deg, rgba(255, 255, 255, 0.15), rgba(255, 255, 255, 0));--bs-body-font-family:var(--bs-font-sans-serif);--bs-body-font-size:1rem;--bs-body-font-weight:400;--bs-body-line-height:1.5;--bs-body-color:#212529;--bs-emphasis-color:#000;--bs-emphasis-color-rgb:0,0,0;--bs-secondary-color:rgba(33, 37, 41, 0.75);--bs-secondary-color-rgb:33,37,41;--bs-secondary-bg:#e9ecef;--bs-secondary-bg-rgb:233,236,239;--bs-tertiary-color:rgba(33, 37, 41, 0.5);--bs-tertiary-color-rgb:33,37,41;--bs-tertiary-bg:#f8f9fa;--bs-tertiary-bg-rgb:248,249,250;--bs-body-bg:#fff;--bs-body-bg-rgb:255,255,255;--bs-link-color:#0d6efd;--bs-link-color-rgb:13,110,253;--bs-link-decoration:underline;--bs-link-hover-color:#0a58ca;--bs-link-hover-color-rgb:10,88,202;--bs-code-color:#d63384;--bs-highlight-bg:#fff3cd;--bs-border-width:1px;--bs-border-style:solid;--bs-border-color:#dee2e6;--bs-border-color-translucent:rgba(0, 0, 0, 0.175);--bs-border-radius:0.375rem;--bs-border-radius-sm:0.25rem;--bs-border-radius-lg:0.5rem;--bs-border-radius-xl:1rem;--bs-border-radius-2xl:2rem;--bs-border-radius-pill:50rem;--bs-box-shadow:0 0.5rem 1rem rgba(var(--bs-body-color-rgb), 0.15);--bs-box-shadow-sm:0 0.125rem 0.25rem rgba(var(--bs-body-color-rgb), 0.075);--bs-box-shadow-lg:0 1rem 3rem rgba(var(--bs-body-color-rgb), 0.175);--bs-box-shadow-inset:inset 0 1px 2px rgba(var(--bs-body-color-rgb), 0.075);--bs-emphasis-color:#000;--bs-form-control-bg:var(--bs-body-bg);--bs-form-control-disabled-bg:var(--bs-secondary-bg);--bs-highlight-bg:#fff3cd;--bs-breakpoint-xs:0;--bs-breakpoint-sm:576px;--bs-breakpoint-md:768px;--bs-breakpoint-lg:992px;--bs-breakpoint-xl:1200px;--bs-breakpoint-xxl:1400px}[data-bs-theme=dark]{--bs-body-color:#adb5bd;--bs-body-color-rgb:173,181,189;--bs-body-bg:#212529;--bs-body-bg-rgb:33,37,41;--bs-emphasis-color:#f8f9fa;--bs-emphasis-color-rgb:248,249,250;--bs-secondary-color:rgba(173, 181, 189, 0.75);--bs-secondary-color-rgb:173,181,189;--bs-secondary-bg:#343a40;--bs-secondary-bg-rgb:52,58,64;--bs-tertiary-color:rgba(173, 181, 189, 0.5);--bs-tertiary-color-rgb:173,181,189;--bs-tertiary-bg:#2b3035;--bs-tertiary-bg-rgb:43,48,53;--bs-emphasis-color:#fff;--bs-primary-text:#6ea8fe;--bs-secondary-text:#dee2e6;--bs-success-text:#75b798;--bs-info-text:#6edff6;--bs-warning-text:#ffda6a;--bs-danger-text:#ea868f;--bs-light-text:#f8f9fa;--bs-dark-text:#dee2e6;--bs-primary-bg-subtle:#031633;--bs-secondary-bg-subtle:#212529;--bs-success-bg-subtle:#051b11;--bs-info-bg-subtle:#032830;--bs-warning-bg-subtle:#332701;--bs-danger-bg-subtle:#2c0b0e;--bs-light-bg-subtle:#343a40;--bs-dark-bg-subtle:#1a1d20;--bs-primary-border-subtle:#084298;--bs-secondary-border-subtle:#495057;--bs-success-border-subtle:#0f5132;--bs-info-border-subtle:#055160;--bs-warning-border-subtle:#664d03;--bs-danger-border-subtle:#842029;--bs-light-border-subtle:#495057;--bs-dark-border-subtle:#343a40;--bs-heading-color:#fff;--bs-link-color:#6ea8fe;--bs-link-hover-color:#9ec5fe;--bs-link-color-rgb:110,168,254;--bs-link-hover-color-rgb:158,197,254;--bs-code-color:#e685b5;--bs-border-color:#495057;--bs-border-color-translucent:rgba(255, 255, 255, 0.15)}\*,::after,::before{box-sizing:border-box}@media (prefers-reduced-motion:no-preference){:root{scroll-behavior:smooth}}body{margin:0;font-family:var(--bs-body-font-family);font-size:var(--bs-body-font-size);font-weight:var(--bs-body-font-weight);line-height:var(--bs-body-line-height);color:var(--bs-body-color);text-align:var(--bs-body-text-align);background-color:var(--bs-body-bg);-webkit-text-size-adjust:100%;-webkit-tap-highlight-color:transparent}hr{margin:1rem 0;color:inherit;border:0;border-top:var(--bs-border-width) solid;opacity:.25}h1,h2,h3,h4,h5,h6{margin-top:0;margin-bottom:.5rem;font-weight:500;line-height:1.2;color:var(--bs-heading-color,inherit)}h1{font-size:calc(1.375rem + 1.5vw)}@media (min-width:1200px){h1{font-size:2.5rem}}h2{font-size:calc(1.325rem + .9vw)}@media (min-width:1200px){h2{font-size:2rem}}h3{font-size:calc(1.3rem + .6vw)}@media (min-width:1200px){h3{font-size:1.75rem}}h4{font-size:calc(1.275rem + .3vw)}@media (min-width:1200px){h4{font-size:1.5rem}}h5{font-size:1.25rem}h6{font-size:1rem}p{margin-top:0;margin-bottom:1rem}abbr[title]{-webkit-text-decoration:underline dotted;text-decoration:underline dotted;cursor:help;-webkit-text-decoration-skip-ink:none;text-decoration-skip-ink:none}address{margin-bottom:1rem;font-style:normal;line-height:inherit}ol,ul{padding-right:2rem}dl,ol,ul{margin-top:0;margin-bottom:1rem}ol ol,ol ul,ul ol,ul ul{margin-bottom:0}dt{font-weight:700}dd{margin-bottom:.5rem;margin-right:0}blockquote{margin:0 0 1rem}b,strong{font-weight:bolder}small{font-size:.875em}mark{padding:.1875em;background-color:var(--bs-highlight-bg)}sub,sup{position:relative;font-size:.75em;line-height:0;vertical-align:baseline}sub{bottom:-.25em}sup{top:-.5em}a{color:rgba(var(--bs-link-color-rgb),var(--bs-link-opacity,1));text-decoration:underline}a:hover{--bs-link-color-rgb:var(--bs-link-hover-color-rgb)}a:not([href]):not([class]),a:not([href]):not([class]):hover{color:inherit;text-decoration:none}code,kbd,pre,samp{font-family:var(--bs-font-monospace);font-size:1em}pre{display:block;margin-top:0;margin-bottom:1rem;overflow:auto;font-size:.875em}pre code{font-size:inherit;color:inherit;word-break:normal}code{font-size:.875em;color:var(--bs-code-color);word-wrap:break-word}a>code{color:inherit}kbd{padding:.1875rem .375rem;font-size:.875em;color:var(--bs-body-bg);background-color:var(--bs-body-color);border-radius:.25rem}kbd kbd{padding:0;font-size:1em}figure{margin:0 0 1rem}img,svg{vertical-align:middle}table{caption-side:bottom;border-collapse:collapse}caption{padding-top:.5rem;padding-bottom:.5rem;color:var(--bs-secondary-color);text-align:right}th{text-align:inherit;text-align:-webkit-match-parent}tbody,td,tfoot,th,thead,tr{border-color:inherit;border-style:solid;border-width:0}label{display:inline-block}button{border-radius:0}button:focus:not(:focus-visible){outline:0}button,input,optgroup,select,textarea{margin:0;font-family:inherit;font-size:inherit;line-height:inherit}button,select{text-transform:none}[role=button]{cursor:pointer}select{word-wrap:normal}select:disabled{opacity:1}[list]:not([type=date]):not([type=datetime-local]):not([type=month]):not([type=week]):not([type=time])::-webkit-calendar-picker-indicator{display:none!important}[type=button],[type=reset],[type=submit],button{-webkit-appearance:button}[type=button]:not(:disabled),[type=reset]:not(:disabled),[type=submit]:not(:disabled),button:not(:disabled){cursor:pointer}::-moz-focus-inner{padding:0;border-style:none}textarea{resize:vertical}fieldset{min-width:0;padding:0;margin:0;border:0}legend{float:right;width:100%;padding:0;margin-bottom:.5rem;font-size:calc(1.275rem + .3vw);line-height:inherit}@media (min-width:1200px){legend{font-size:1.5rem}}legend+\*{clear:right}::-webkit-datetime-edit-day-field,::-webkit-datetime-edit-fields-wrapper,::-webkit-datetime-edit-hour-field,::-webkit-datetime-edit-minute,::-webkit-datetime-edit-month-field,::-webkit-datetime-edit-text,::-webkit-datetime-edit-year-field{padding:0}::-webkit-inner-spin-button{height:auto}[type=search]{outline-offset:-2px;-webkit-appearance:textfield}[type=email],[type=number],[type=tel],[type=url]{direction:ltr}::-webkit-search-decoration{-webkit-appearance:none}::-webkit-color-swatch-wrapper{padding:0}::-webkit-file-upload-button{font:inherit;-webkit-appearance:button}::file-selector-button{font:inherit;-webkit-appearance:button}output{display:inline-block}iframe{border:0}summary{display:list-item;cursor:pointer}progress{vertical-align:baseline}[hidden]{display:none!important}

/\*# sourceMappingURL=bootstrap-reboot.rtl.min.css.map \*/

**11. PEMBUATAN KODE WEB (PHP/JS)**

File koneksi.php

|  |
| --- |
| <?php  $koneksi = mysqli\_connect(“localhost”,”root”,””,"ukk\_jonathan");  ?> |
|  |

File aksi\_login.php

|  |
| --- |
| <?php  session\_start();  include 'koneksi.php';    $username = $\_POST['username'];  $password = md5($\_POST['password']);  $level = $\_POST['level'];  if ($level == 'masyarakat') {     $login = mysqli\_query($koneksi, "SELECT \* FROM masyarakat WHERE username='$username' AND password='$password'");  } else {     $login = mysqli\_query($koneksi, "SELECT \* FROM petugas WHERE username='$username' AND password='$password'");  }  $cek = mysqli\_num\_rows($login);  if ($cek > 0) {     $data = mysqli\_fetch\_assoc($login);     if ($data['level'] == 'admin') {      $\_SESSION['id\_petugas'] = $data['id\_petugas'];      $\_SESSION['nama\_petugas'] = $data['nama\_petugas'];      $\_SESSION['login'] = "admin";      header('location:../admin/');     } elseif ($data['level'] == 'petugas'){      $\_SESSION['id\_petugas'] = $data['id\_petugas'];      $\_SESSION['nama\_petugas'] = $data['nama\_petugas'];      $\_SESSION['login'] = "petugas";      header('location:../admin          /');     } elseif ($data['level'] == 'masyarakat'){      $\_SESSION['nik'] = $data['nik'];      $\_SESSION['nama'] = $data['nama'];      $\_SESSION['login'] = "masyarakat";      header('location:../masyarakat/');     }  } else {      echo "<script>      alert('Username atau Password tidak terdaftar');      window.location='../index.php';      </script>";  }  ?> |

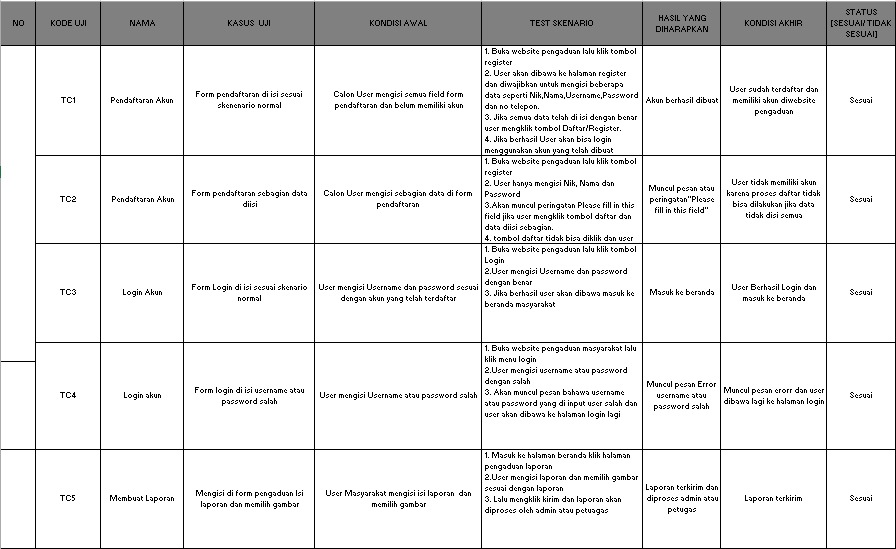
File logout.php

|  |
| --- |
| <?php  session\_start();  session\_destroy();  header('location:../index.php')  ?> |

File edit\_data.php

|  |
| --- |
| <?php  include '../config/koneksi.php';  session\_start();    if (isset($\_POST['hapus\_pengaduan'])) {      $id\_pengaduan = $\_POST['id\_pengaduan'];      $query = mysqli\_query($koneksi, "SELECT \* FROM pengaduan");      $data = mysqli\_fetch\_array($query);      if (is\_file('../assets/img/'.$data['foto'])); {          unlink('../assets/img/'.$data['foto']);          mysqli\_query($koneksi, "DELETE FROM pengaduan WHERE id\_pengaduan='$id\_pengaduan'");          header('location:index.php');      }  }  ?> |

12. UJI COBA



13. REVISI

14.PENENTUAN DOMAIN DAN HOSTING

15. UPLOAD WEB KE HOSTING

16. UPLOAD WEB KE GITHUB

17. PEMBUATAN USER GUIDANCE