

LAMPIRAN

Lampiran 1. Laporan Wawancara

LAPORAN WAWANCARA

Narasumber : Tuti,S.Sos

Jabatan : Kepala Sub Bagian Umum dan Pelayanan Administrasi Terpadu

Tempat : Kantor Kecamatan Kesugihan

Hari/Tanggal : Rabu, 24 Maret 2021

Kegiatan wawancara ini menjadi salah satu proses pengumpulan data yang dibutuhkan oleh peneliti dalam perumusan masalah dan latar belakang pada penelitian yang berjudul **Implementasi Algoritme *Sequential Searching* pada Sistem Informasi Rekomendasi Nikah (SIRENI) di Kantor Kecamatan Kesugihan**. Kegiatan ini dilakukan dengan mengajukan beberapa pertanyaan kepada narasumber sebagai berikut:

Peneliti : Bagaimana proses masyarakat dalam mengajukan surat rekomendasi nikah di kantor kecamatan Kesugihan?

Narasumber : Iya, surat rekomendasi nikah itu sendiri kan adalah surat yang digunakan oleh masyarakat khususnya calon pengantin yang mendaftar nikah di kantor urusan agama (KUA) Kecamatan Kesugihan namun dibawah 10 hari jam kerja, sehingga calon pengantin membutuhkan surat rekomendasi dari camat untuk berlangsungnya pernikahan. Nah untuk prosesnya sama sesuai dengan SOP, jadi calon pengantin sudah mendaftar nikah di KUA Kecamatan Kesugihan, lalu mendapatkan berkas Validasi dari KUA, nah kemudian membuat permohonan pembuatan surat rekomendasi nikah dan melampirkan berkas validasi nikah.

Peneliti : Berarti calon pengantin mengumpulkan berkas tersebut ke kantor Kecamatan Kesugihan di bagian ruang pelayanan?

- Narasumber : Iya mas,data permohonan dan berkas validasinya nanti akan di cek oleh petugas lalu dibuatkan suratnya.
- Peneliti : Dalam proses pembuatan suratnya itu bagaimana bu?
- Narasumber : Pembuatan surat rekomendasi nikah di Kantor Kecamatan Kesugihan masih menggunakan *Microsoft Word* dengan membuka format file surat terdahulu lalu di edit nama calon pengantin dan data-data yang lainnya.
- Peneliti : Untuk penomoran surat dan masyarakat yang membutuhkan berkas tersebut berarti nanti bisa menghubungi petugas pealayananya atau gimana?
- Narasumber : Proses penomoran surat ditulis dibuku besar khusus buku rekomendasi nikah, buku ini setiap satu tahun diganti, dan untuk calon pengantin yang membutuhkan berkasnya biasa dicarikan ditumpukan berkas rekomendasi di setiap bulanya.

Lampiran 2. Dokumentasi

DOKUMENTASI PENELITIAN

1. Wawancara



2. Gudang/Penyimpanan Berkas



3. Sosialisasi SIRENI



Lampiran 3. Pengujian Pencarian

LAMPIRAN PENGUJIAN PENCARIAN

A. BOBOT 10

1. Akhmad Fauzan

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Akhmad Fauzan Kecepatan Pencarian = 0.0092358589172363 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Akhmad Fauzan	0171/02/2020	472.2/06/2021	2021-07-08	Show File Show Surat Rekomendasi	Call	Terkonfirmasi

Showing 1 to 1 of 1 entries

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Akhmad Fauzan Kecepatan Pencarian = 0.0093059539794922 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Akhmad Fauzan	0171/02/2020	472.2/06/2021	2021-07-08	Show File Show Surat Rekomendasi	Call	Terkonfirmasi

Showing 1 to 1 of 1 entries

Previous **1** Next

c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Akhmad Fauzan Kecepatan Pencarian = 0.0091080665588379 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Akhmad Fauzan	0171/02/2020	472.2/06/2021	2021-07-08	Show File Show Surat Rekomendasi	Call	Terkonfirmasi

Showing 1 to 1 of 1 entries

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2. Ega Endryanzah

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Ega Endryanzah Kecepatan Pencarian = 0.0097150802612305 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Ega Endryanzah	0050/15/2020	472.2/010/2021	2021-07-08	Show File Show Surat Rekomendasi	Call	Terkonfirmasi

Showing 1 to 1 of 1 entries

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Ega Endryanzah Kecepatan Pencarian = 0.0084171295166016 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Ega Endryanzah	0050/15/2020	472.2/010/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

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c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Ega Endryanzah Kecepatan Pencarian = 0.0093979835510254 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Ega Endryanzah	0050/15/2020	472.2/010/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

Showing 1 to 1 of 1 entries

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3. Amri Rosadi

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Amri Rosadi Kecepatan Pencarian = 0.0096549987792969 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Amri Rosadi	0131/07/2020	472.2/07/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Amri Rosadi Kecepatan Pencarian = 0.0095169544219971 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Amri Rosadi	0131/07/2020	472.2/07/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

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c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Amri Rosadi Kecepatan Pencarian = 0.009191989886816 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Amri Rosadi	0131/07/2020	472.2/07/2021	2021-07-08	Show File Show Surat Rekomendasi	<input type="button" value="Call"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

Tabel 8. Rincian Pencarian Bobot 10

No	Nama	Pencarian			Rata-Rata
		Ke 1	Ke 2	Ke 3	
1	Akhmad Fauzan	0,0092	0,0093	0,0091	0,0092
2	Ega Endryanzah	0,0097	0,0084	0,0093	0,0091
3	Amri Rosadi	0,0096	0,0095	0,0092	0,0094

B. BOBOT 20

1) Jefri Aditia

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Jefri Aditia Kecepatan Pencarian = 0.0097620487213135 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Jefri Aditia	0184/15/2020	472.2/013/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Call"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Jefri Aditia Kecepatan Pencarian = 0.0099508762359619 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Jefri Aditia	0184/15/2020	472.2/013/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Call"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Jefri Aditia Kecepatan Pencarian = 0.010146141052246 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Jefri Aditia	0184/15/2020	472.2/013/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

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2) Kusnari

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Kusnari Kecepatan Pencarian = 0.010498046875 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Kusnari	0137/03/2020	472.2/017/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Kusnari Kecepatan Pencarian = 0.0098130702972412 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Kusnari	0137/03/2020	472.2/017/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

Previous **1** Next

c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Kusnari Kecepatan Pencarian = 0.0097558498382568 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Kusnari	0137/03/2020	472.2/017/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

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3) Aqliyah Nur Azizah

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Aqliyah Nur Kecepatan Pencarian = 0.0096759796142578 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Aqliyah Nur Azizah	0050/15/2020	472.2/08/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Aqliyah Nur Kecepatan Pencarian = 0.010210990905762 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Aqliyah Nur Azizah	0050/15/2020	472.2/08/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

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c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Aqliyah Nur Kecepatan Pencarian = 0.009686946868965 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Aqliyah Nur Azizah	0050/15/2020	472.2/08/2021	2021-07-08	Show File Show Surat Rekomendasi	Cek	Terkonfirmasi

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Tabel 9 Rincian Pencarian Bobot 20

No	Nama	Pencarian			Rata-Rata
		Ke 1	Ke 2	Ke 3	
1	Jefri Aditia	0,0098	0,0100	0,0101	0,0100
2	Kusnari	0,0105	0,0098	0,0098	0,0100
3	Aqliyah Nur A	0,0097	0,0102	0,0097	0,0099

C. BOBOT 50

1) Sodikin

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Sodikin Kecepatan Pencarian = 0.018167018890381 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Sodikin	0006/08/2020	472.2/036/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Sodikin Kecepatan Pencarian = 0.018370866775513 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Sodikin	0006/08/2020	472.2/036/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

Previous **1** Next

c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Sodikin Kecepatan Pencarian = 0.017639875411987 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Sodikin	0006/08/2020	472.2/036/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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2) Siti Fasikhatun

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Siti Fasikhatun Kecepatan Pencarian = 0.016907930374146 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Siti Fasikhatun	0135/02/2020	472.2/031/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Siti Faskihatun Kecepatan Pencarian = 0.018271923065186 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Siti Faskihatun	0135/02/2020	472.2/031/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

Previous 1 Next

c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Siti Faskihatun Kecepatan Pencarian = 0.017022848129272 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Siti Faskihatun	0135/02/2020	472.2/031/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

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3) Setyo

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Setyo Kecepatan Pencarian = 0.0177001953125 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Setyo Asmoro	0132/10/2020	472.2/030/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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b) Pengujian kedua

Riwayat Pengajuan Surat | SIRENI

Setyo Kecepatan Pencarian = 0.018185138702393 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Setyo Asmoro	0132/10/2020	472.2/030/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Setyo Kecepatan Pencarian = 0.017338891165161 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Setyo Asmoro	0132/10/2020	472.2/030/2021	2021-07-13	Show File Show Surat Rekomendasi	<input type="button" value="Cek"/>	Terkonfirmasi

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Tabel 10. Rincian Pencarian Bobot 50

No	Nama	Pencarian			Rata-Rata
		Ke 1	Ke 2	Ke 3	
1	Sodiqin	0,0182	0,0184	0,0176	0,0181
2	Siti Fasikhatun	0,0169	0,0183	0,0170	0,0174
3	Setyo	0,0177	0,0182	0,0173	0,0177

D. BOBOT 100

1) Disan

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Disan Kecepatan Pencarian = 0.022733926773071 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Disan	1211/06/2019	472.2/058/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries Previous **1** Next

b) Pengujian Kedua

Riwayat Pengajuan Surat | SIRENI

Disan Kecepatan Pencarian = 0.019595861434937 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Disan	1211/06/2019	472.2/058/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries Previous **1** Next

c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Disan Kecepatan Pencarian = 0.020478010177612 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Disan	1211/06/2019	472.2/058/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

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2) P Yuliantoro

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

P Yuliantoro Kecepatan Pencarian = 0.023849010467529 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	P Yuliantoro	1186/10/2019	472.2/075/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

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b) Pengujian Kedua

Riwayat Pengajuan Surat | SIRENI

P Yuliantoro Kecepatan Pencarian = 0.023526906967163 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	P Yuliantoro	1186/10/2019	472.2/075/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

P Yuliantoro Kecepatan Pencarian = 0.022178173065186 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	P Yuliantoro	1186/10/2019	472.2/075/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

Showing 1 to 1 of 1 entries

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3) Setiyono

a) Pengujian pertama

Riwayat Pengajuan Surat | SIRENI

Setiyono Kecepatan Pencarian = 0.023616790771484 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Setiyono	1262/14/2019	472.2/087/2021	2021-07-14	Show File Show Surat Rekomendasi	<input type="button" value="Detail"/>	Terkonfirmasi

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b) Pengujian Kedua

Riwayat Pengajuan Surat | SIRENI

Setiyono Kecepatan Pencarian = 0.023051977157593 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Setiyono	1262/14/2019	472.2/087/2021	2021-07-14	Show File Show Surat Rekomendasi	Detail	Terkonfirmasi

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c) Pengujian ketiga

Riwayat Pengajuan Surat | SIRENI

Setiyono Kecepatan Pencarian = 0.019536972045898 microsecond

Show 10 entries

No	Nama Pengaju	Nomor Pemeriksaan	Nomor Surat	Waktu Pengajuan	File	Detail	Status Pengajuan
1	Setiyono	1262/14/2019	472.2/087/2021	2021-07-14	Show File Show Surat Rekomendasi	Detail	Terkonfirmasi

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Tabel 11. Rincian Pencarian Bobot 100

No	Nama	Pencarian			Rata-Rata
		Ke 1	Ke 2	Ke 3	
1	Disan	0,0227	0,0196	0,0205	0,0209
2	P Yuliantoro	0,0238	0,0235	0,0222	0,0232
3	Setiyono	0,0236	0,0231	0,0195	0,0221

Lampiran 4. Source Code

.../sireni/application/controllers/Admin.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Admin extends CI_Controller {

    public function __construct()
    {
        parent::__construct();
        //Cek jika bukan admin
        $role_id = $this->session->userdata('role_id');
        if($role_id != "1") {
            redirect();
        }

        $this->load->library('form_validation');

    }

    public function index()
    {
        $data['title'] = "Admin Page | SIRENI";

        //Ambil data user
        $this->load->model('User_model','user');
        $data['user'] = $this->user->getUser($this->session->userdata('username'));

        //Load View
        $this->load->view('templates/header',$data);
        $this->load->view('templates/admin_navbar',$data);
        $this->load->view('admin/index',$data);
        $this->load->view('templates/footer',$data);
    }

    public function changepassword()
    {
        $data['title'] = "Change Password";

        //Ambil data user
        $data['user'] = $this->db->get_where('users', [
            'username' => $this->session->userdata('username')
        ])->row_array();

        // Cek Validasi
        $this->form_validation->set_rules('currentPassword','Current password','required|trim');
        $this->form_validation->set_rules('new_password1','New password','required|trim|min_length[8]|matches[new_password2]','[
            'matches' => 'Password dont match!',
```

```
        'min_length' => 'Password too short!',
        ]);
        $this->form_validation->set_rules('new_password2','Confirm new password','required|trim|matches[new_password1]');

        // Cek Validasi Sedang Berjalan
        if ($this->form_validation->run() == false) {

            // Jika Tidak ada Validasi Tampilkan View
            $this->load->view('templates/header',$data);
            $this->load->view('templates/admin_navbar',$data);
            $this->load->view('admin/ubahpassword',$data);
            $this->load->view('templates/footer');
        } else {
            // Jika ada Validasi Proses Perubahan Password

            // Inisialisasi Password yang Di Submit User
            $currentPassword = $this->input->post('currentPassword');
            $newPassword = $this->input->post('new_password1');

            // Verifikasi Password
            if(!password_verify($currentPassword, $data['user']['password']))
            {
                $this->session->set_flashdata('message','<div class="alert alert-dismissible alert-danger"><button type="button" class="close" data-dismiss="alert">&times;</button><strong>Oops!</strong> Password Lama Salah!</div>');
                redirect('Admin/changepassword');
            } else {

                // Cek Jika Password Baru masih sama dengan Password lama
                if($currentPassword == $newPassword) {
                    $this->session->set_flashdata('message','<div class="alert alert-dismissible alert-warning"><button type="button" class="close" data-dismiss="alert">&times;</button><strong>Oops!</strong> Password Lama Dan Baru Tidak Boleh Sama!</div>');
                    redirect('Admin/changepassword');
                }
            }
        }
    }
}
```

```

        } else {
            $password_hash = password_hash($newPassword, PASSWORD_DEFAULT);
            $username = $this->session->userdata('username');
            $this->load->model('User_model');
            $setNewPassword = $this->User_model->setNewPassword($password_hash, $username);

            if($setNewPassword) {
                $this->session->set_flashdata('message',
                    '<div class="alert alert-dismissible alert-success">
                        <button type="button" class="close" data-dismiss="alert">&times;</button>
                        <strong>Well Done!</strong> Password Berhasil Diubah!
                    </div>');
                redirect('Admin/changepassword');
            } else {
                $this->session->set_flashdata('message',
                    '<div class="alert alert-dismissible alert-danger">
                        <button type="button" class="close" data-dismiss="alert">&times;</button>
                        <strong>Ops!</strong> Password Gagal Diubah!
                    </div>');
                redirect('Admin/changepassword');
            }
        }
    }

    public function dataUser()
    {
        $this->form_validation->set_rules("name", "Name", "required|trim");

        $this->form_validation->set_rules("username", "Username", "required|trim|min_length[5]|is_unique[users.username]");
        $this->form_validation->set_message('is_unique', 'This %s already exists.');
```

```

        $this->form_validation->set_rules("email", "Email", "required|trim|valid_email|is_unique[users.email]");
        $this->form_validation->set_message('is_unique', 'This %s already exists.');
```

```

        $this->form_validation->set_rules("password", "Password", "required|trim|min_length[8]|matches[password_confirmation]");
        $this->form_validation->set_message('matches', 'Password not match');
```

```

        $this->form_validation->set_rules('min_length', 'Password too short');
```

```

        $this->form_validation->set_rules('password_confirmation', 'Password Confirmation', 'required|matches[password]');
```

```

        $this->form_validation->set_rules('role', 'role', 'required');
```

```

        if ($this->form_validation->run() == FALSE) {
            $this->load->model('User_model', 'user');
            $data['title'] = 'Data User';
            $data['dataUser'] = $this->user->getAllDataUser();

            //Ambil data user
            $this->load->model('User_model', 'user');
            $data['user'] = $this->user->GetUser($this->session->userdata('username'));

            $this->load->view('templates/header', $data);
            $this->load->view('templates/admin_navbar', $data);
            $this->load->view('admin/dataUser/listDataUser', $data);
            $this->load->view('templates/footer');
```

```

        } else {
            //Jika validasi berhasil masukan data user kedalam variable
            $name = $this->input->post("name");
            $nip = $this->input->post("nip");
            $role = $this->input->post("role");
            $username = $this->input->post("username");
            $email = $this->input->post("email");
            $password = $this->input->post("password");
            $password_confirmation = $this->input->post("password_confirmation");

            //Memasukan data register kedalam array

```

```

        $data = [
            'name' => htmlspecialchars($name, true),
            'nip' => htmlspecialchars($nip, true),
            'username' => htmlspecialchars($username, true),
            'email' => htmlspecialchars($email, true),
            'password' => password_hash($password, PASSWORD_DEFAULT),
            'role_id' => htmlspecialchars($role, true),
            'status' => "Aktif"
        ];

        //Load model User_model dan panggil function insertDataUser
        $this->load->model('User_model');
        $insertDataUserRegister = $this->User_model->insertDataUser($data);

        // Cek Jika Register Berhasil
        if($insertDataUserRegister) {
            $this->session->set_flashdata("message", "<div class='alert alert-success' role='alert'>Akun berhasil terdaftar</div>");
            redirect('Admin/dataUser');
        } else {
            $this->session->set_flashdata("message", "<div class='alert alert-success' role='alert'>Akun gagal terdaftar.</div>");
            redirect('Admin/dataUser');
        }
    }

    public function aktifkanUser($id_user)
    {
        $this->load->model('User_model');
        $updateStatusUser = $this->User_model->updateStatusUser('Aktif', $id_user);

        // Cek Jika Register Berhasil
        if($updateStatusUser) {
            $this->session->set_flashdata("message", "<div class='alert alert-success' role='alert'>Akun berhasil Diaktifkan</div>");
            redirect('Admin/dataUser');
        } else {

```

```

            $this->session->set_flashdata("message", "<div class='alert alert-success' role='alert'>Akun gagal Diaktifkan.</div>");
            redirect('Admin/dataUser');
        }
    }

    public function nonAktifkanUser($id_user)
    {
        $this->load->model('User_model');
        $updateStatusUser = $this->User_model->updateStatusUser('Tidak Aktif', $id_user);

        // Cek Jika Register Berhasil
        if($updateStatusUser) {
            $this->session->set_flashdata("message", "<div class='alert alert-success' role='alert'>Akun berhasil Di Non Aktifkan</div>");
            redirect('Admin/dataUser');
        } else {
            $this->session->set_flashdata("message", "<div class='alert alert-success' role='alert'>Akun gagal Di Non Aktifkan.</div>");
            redirect('Admin/dataUser');
        }
    }
}

```

..../sireni/application/controllers/User.php

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class User extends CI_Controller {

    public function __construct()
    {
        parent::__construct();
        //Cek jika bukan pengguna
        if($this->session->userdata('role_id') !== '2') {
            redirect();
        }
        $this->load->library('form_validation');
    }

    public function index()
    {
        $data['title'] = "User Page | SIRENI";
    }
}

```

```

        $this->load-
>model('User_model','user');
        $data['user'] = $this->user-
>getUser($this->session-
>userdata('username'));
        $this->load-
>view('templates/header',$data);
        $this->load-
>view('templates/user_navbar',$data);
        $this->load-
>view('user/index',$data);
        $this->load-
>view('templates/footer');
    }

    public function changepassword()
    {
        $data['title'] = "Change Pass
word";

        //Ambil data user
        $data['user'] = $this->db-
>get_where('users', [
            'username' => $this-
>session->userdata('username')]) -
>row_array();

        // Cek Validasi
        $this->form_validation-
>set_rules('currentPassword','Current
password','required|trim');
        $this->form_validation-
>set_rules('new_password1', 'New pass
word', 'required|trim|min_length[8]|m
atches[new_password2]', [
            'matches' => 'Pas
sword dont match!',
            'min_length' => '
Password too short!',
        ]);
        $this->form_validation-
>set_rules('new_password2', 'Confirm
new password', 'required|trim|matches
[new_password1]');

        // Cek Validasi Sedang Berjal
an
        if ($this->form_validation-
>run() == false) {

            // Jika Tidak ada Validasi Ta
mpilkan View
            $this->load-
>view('templates/header',$data);
            $this->load-
>view('templates/user_navbar',$data);
            $this->load-
>view('user/ubahpassword',$data);
            $this->load-
>view('templates/footer');

        } else {
            // Jika ada Validasi Proses P
erubahan Password

            // Inialisasi Password yang
Di Submit User
            $currentPassword = $this-
>input->post('currentPassword');
            $newPassword = $this->input-
>post('new_password1');

            // Verifikasi Password
            if(!password_verify($currentP
assword, $data['user']['password']))
            {
                $this->session-
>set_flashdata('message',
                '<div class="alert al
ert-dismissible alert-danger">
                    <button type=
"button" class="close" data-
dismiss="alert">&times;</button>
                    <strong>Oops!
</strong> Password Lama Salah!
                </div>');
                redirect('user/changepass
word');
            } else {

                // Cek Jika Password Baru
masih sama dengan Password lama
                if($currentPassword == $n
ewPassword) {
                    $this->session-
>set_flashdata('message',
                    '<div class="alert al
ert-dismissible alert-warning">
                        <button type=
"button" class="close" data-
dismiss="alert">&times;</button>
                        <strong>Oops!
</strong> Password Lama Dan Baru Tida
k Boleh Sama!
                    </div>');
                    redirect('user/change
password');
                } else {

                    $password_hash = pass
word_hash($newPassword,PASSWORD_DEFAU
LT);
                    $username = $this-
>session->userdata('username');
                    $this->load-
>model('User_model');
                    $setNewPassword = $th
is->User_model-
>setNewPassword($password_hash,$usern
ame);

                    if($setNewPassword) {
                        $this->session-
>set_flashdata('message',
                        '<div class="aler
t alert-dismissible alert-success">
                            <button t
ype="button" class="close" data-
dismiss="alert">&times;</button>
                            <strong>W
ell Done!</strong> Password Berhasil
Diubah!
                        </div>');
                        redirect('user/ch
angepassword');
                    } else {
                        $this->session-
>set_flashdata('message',
                        '<div class="aler
t alert-dismissible alert-danger">

```



```

                                <button type="button" class="close" data-dismiss="alert">&times;</button>
                                <strong>Ops!</strong> Password Gagal Diubah!
                                </div>');
                                redirect('user/changepassword');
                                }
                                }
                                }
                                }
                                }
}

```

.../sireni/application/controllers/Camat.php

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Camat extends CI_Controller {

    public function __construct()
    {
        parent::__construct();
        //Cek jika bukan camat
        $role_id = $this->session->userdata('role_id');
        if($role_id !== "3") {
            redirect();
        }

        $this->load->library('form_validation');

    }

    public function index()
    {
        $data['title'] = "Camat Page | SIRENI";
        //Ambil data user
        $this->load->model('User_model', 'user');
        $data['user'] = $this->user->getUser($this->session->userdata('username'));
        $this->load->view('templates/header', $data);
        $this->load->view('templates/camat_navbar', $data);
        ;
        $this->load->view('camat/index', $data);
        $this->load->view('templates/footer', $data);
    }

    public function changepassword()
    {
        $data['title'] = "Change Password";

        //Ambil data user

```

```

        $data['user'] = $this->db->get_where('users', [
            'username' => $this->session->userdata('username'))->row_array();

        // Cek Validasi
        $this->form_validation->set_rules('currentPassword', 'Current password', 'required|trim');
        $this->form_validation->set_rules('new_password1', 'New password', 'required|trim|min_length[8]|matches[new_password2]', [
            'matches' => 'Password dont match!',
            'min_length' => 'Password too short!',
        ]);
        $this->form_validation->set_rules('new_password2', 'Confirm new password', 'required|trim|matches[new_password1]');

        // Cek Validasi Sedang Berjalan
        if ($this->form_validation->run() == false) {

            // Jika Tidak ada Validasi Tampilkan View
            $this->load->view('templates/header', $data);
            $this->load->view('templates/camat_navbar', $data);
            ;
            $this->load->view('camat/ubahpassword', $data);
            $this->load->view('templates/footer');

        } else {
            // Jika ada Validasi Proses Perubahan Password

            // Inisialisasi Password yang Di Submit User
            $currentPassword = $this->input->post('currentPassword');
            $newPassword = $this->input->post('new_password1');

            // Verifikasi Password
            if(!password_verify($currentPassword, $data['user']['password']))
            {
                $this->session->set_flashdata('message',
                    '<div class="alert alert-dismissible alert-danger">
                        <button type="button" class="close" data-dismiss="alert">&times;</button>
                        <strong>Oops!</strong> Password Lama Salah!
                    </div>');
                redirect('Camat/changepassword');
            } else {

```

```

        // Cek Jika Password Baru
        masih sama dengan Password lama
        if($currentPassword == $n
ewPassword) {
            $this->session-
>set_flashdata('message',
                '<div class="alert al
ert-dismissible alert-warning">
                    <button type=
"button" class="close" data-
dismiss="alert">&times;</button>
                    <strong>Oops!
</strong> Password Lama Dan Baru Tida
k Boleh Sama!
                </div>');
            redirect('Camat/chang
epassword');
        } else {

            $password_hash = pass
word_hash($newPassword,PASSWORD_DEFAU
LT);
            $username = $this-
>session->userdata('username');
            $this->load-
>model('User_model');
            $setNewPassword = $th
is->User_model-
>setNewPassword($password_hash,$usern
ame);

            if($setNewPassword) {
                $this->session-
>set_flashdata('message',
                    '<div class="aler
t alert-dismissible alert-success">
                        <button t
ype="button" class="close" data-
dismiss="alert">&times;</button>
                        <strong>W
ell Done!</strong> Password Berhasil
Diubah!
                    </div>');
                redirect('Camat/c
hangepassword');
            } else {
                $this->session-
>set_flashdata('message',
                    '<div class="aler
t alert-dismissible alert-danger">
                        <button t
ype="button" class="close" data-
dismiss="alert">&times;</button>
                        <strong>O
ops!</strong> Password Gagal Diubah!
                    </div>');
                redirect('Camat/c
hangepassword');
            }
        }
    }

    // public function settingAkun()
    {
        // $data['title'] = "Setting Aku
n";
        // //Ambil data user
        // $data['user'] = $this->db-
>get_where('users', [
            // 'username' => $this-
>session->userdata('username')])->
>row_array();

        // $this->form_validation-
>set_rules('nama', 'nama', 'trim|requ
ired');
        // $this->form_validation-
>set_rules('nip', 'nip', 'trim|requir
ed|numeric');
        // $this->form_validation-
>set_rules('nomor_telpon', 'nomor tel
epon', 'trim|required|numeric');

        // $this->load-
>model('Setting_model','setting');

        // if ($this-
>form_validation->run() == false) {

            // $idUser = $data
['user']['id_user'];

            // $data['camat'] = $thi
s->setting-
>getDetailDataCamatById($idUser);
            // if($data['camat'] ==
null) {
                // $data['camat']['n
ame'] = $data['user']['name'];
                // $data['camat']['n
ip'] = '';
                // $data['camat']['n
omor_telpon'] = '';
                // }

            // // Jika Tidak ada Val
idasi Tampilkan View
            // $this->load-
>view('templates/header',$data);
            // $this->load-
>view('templates/camat_navbar',$data)
;
            // $this->load-
>view('camat/aturakun',$data);
            // $this->load-
>view('templates/footer');

            // } else {
            // $idUser = $data['
user']['id_user'];
            // $nama = $this-
>input->post('nama');
            // $nip = $this-
>input->post('nip');
            // $nomor_telpon = $
this->input->post('nomor_telpon');

            // $data = [
            // 'user_id' =>
$idUser,
            // 'nip' =>
$nip,
            // 'nomor_telpon
' => $nomor_telpon
            // ];

```

```

//          $cekDataCamat = $
this->setting-
>getDetailDataCamatById($idUser);

//          if($cekDataCamat
== null) {
//          $this-
>setting-
>insertNewDetailDataCamat($data);
//          $this-
>setting-
>updateNamaCamat($nama, $idUser);
//          $this-
>session->set_flashdata('message',
//          '<div class="
alert alert-dismissible alert-
success">
//          <butt
on type="button" class="close" data-
dismiss="alert">&times;</button>
//          <stro
ng>Ok!</strong> Detail Data Diubah!
//          </div>');
//          redirect('Cam
at/settingAkun');
//          } else {
//          $this-
>setting-
>updateDetailDataCamat($data, $idUser
);
//          $this-
>setting-
>updateNamaCamat($nama, $idUser);
//          $this-
>session->set_flashdata('message',
//          '<div class="
alert alert-dismissible alert-
success">
//          <butt
on type="button" class="close" data-
dismiss="alert">&times;</button>
//          <stro
ng>Ok!</strong> Detail Data Diubah!
//          </div>');
//          redirect('Cam
at/settingAkun');
//          }
//          }
// }
}

```

.../sireni/application/controllers/Surat.php

```

<?php
defined('BASEPATH') or exit('No direc
t script access allowed');

class Surat extends CI_Controller {
    public function __construct()
    {
        parent::__construct();
        $this->load-
>library('form_validation');
        $this->load-
>library('Ciqrcode');

```

```

}

    public function index() {
        $role_id = $this->session-
>userdata('role_id');
        //Jika Pengguna
        if($role_id == "2") {
            $this-
>statusPengajuanSurat();
        } else if($role_id == "1") {
            $this-
>listPengajuanSurat();
        } else if($role_id == "3") {
            $this-
>listKonfirmasiSurat();
        } else {
            redirect();
        }
    }

    public function statusPengajuanSu
rat()
    {
        // Cek jika bukan pengguna
        $role_id = $this->session-
>userdata('role_id');
        if($role_id !== "2") {
            redirect();
        }

        //Ambil data user
        $this->load-
>model('User_model','user');
        $data['user'] = $this->user-
>getUser($this->session-
>userdata('username'));

        $data['title'] = "Status Peng
ajuan Surat | SIRENI";

        // Ambil Id dari User yang se
dang login
        $id_user = $data['user']['id_
user'];

        // Ambil data pengajuan berda
sarkan user
        $this->load-
>model('Surat_model','surat');
        $data['dataPengajuan'] = $thi
s->surat-
>getDataPengajuanByUserAndCamat($id_u
ser);

        //Load View
        $this->load-
>view('templates/header',$data);
        $this->load-
>view('templates/user_navbar',$data);
        $this->load-
>view('user/surat/statusPengajuanSura
t',$data);
        $this->load-
>view('templates/footer',$data);
    }

    public function pengajuanSurat()
    {
        // Cek jika bukan pengguna

```

```

        $role_id = $this->session-
>userdata('role_id');
        if($role_id !== "2") {
            redirect();
        }

        // Validasi Nomor Pemeriksaan
        $this->form_validation-
>set_rules('nomor_pemeriksaan','Nomor
Pemeriksaan','required|trim');
        $this->form_validation-
>set_rules('tgl_pelaksanaan_nikah','T
anggal Pelaksanaan Nikah','required|t
rim');

        $this->form_validation-
>set_rules('tempat_pelaksanaan','Temp
at Pelaksanaan Nikah','required|trim'
);

        // Validasi Data Calon Suami
        $this->form_validation-
>set_rules('nama_suami','Nama Calon S
uami','required|trim');
        $this->form_validation-
>set_rules('tempat_lahir_suami','Temp
at Lahir Calon Suami','required|trim'
);

        $this->form_validation-
>set_rules('tanggal_lahir_suami','Tan
ggal Lahir Suami','required|trim');
        $this->form_validation-
>set_rules('bin_suami','Bin Suami','r
equired|trim');
        $this->form_validation-
>set_rules('agama_suami','Agama Suami
','required|trim');
        $this->form_validation-
>set_rules('pekerjaan_suami','Pekerja
an Suami','required|trim');
        $this->form_validation-
>set_rules('kewarganegaraan_suami','K
ewarganegaraan Suami','required|trim'
);

        $this->form_validation-
>set_rules('alamat_suami','Alamat Sua
mi','required|trim');
        $this->form_validation-
>set_rules('status_suami','Status Sua
mi','required|trim');

        // Validasi Data Calon Istri
        $this->form_validation-
>set_rules('nama_istri','Nama Calon I
stri','required|trim');
        $this->form_validation-
>set_rules('tempat_lahir_istri','Temp
at Lahir Calon Istri','required|trim'
);

        $this->form_validation-
>set_rules('tanggal_lahir_istri','Tan
ggal Lahir Istri','required|trim');
        $this->form_validation-
>set_rules('bin_istri','Bin Istri','r
equired|trim');
        $this->form_validation-
>set_rules('agama_istri','Agama Istri
','required|trim');
        $this->form_validation-
>set_rules('pekerjaan_istri','Pekerja
an Istri','required|trim');

        $this->form_validation-
>set_rules('kewarganegaraan_istri','K
ewarganegaraan Istri','required|trim'
);

        $this->form_validation-
>set_rules('alamat_istri','Alamat Ist
ri','required|trim');
        $this->form_validation-
>set_rules('status_istri','Status Ist
ri','required|trim');

        if($this->form_validation-
>run() == false) {

            //Ambil data user
            $this->load-
>model('User_model','user');
            $data['user'] = $this-
>user->getUser($this->session-
>userdata('username'));

            $data['title'] = "Pengaju
an Surat | SIRENI";
            //Load View
            $this->load-
>view('templates/header',$data);
            $this->load-
>view('templates/user_navbar',$data);
            $this->load-
>view('user/surat/pengajuanSurat',$da
ta);

            $this->load-
>view('templates/footer',$data);
        } else {
            $this->_addPengajuan();
        }

        private function _addPengajuan()
        {
            // Cek File yang di input Use
            r
            if (empty($_FILES['file_kua']
['name']))
            {
                $this->session-
>set_flashdata("message","<div class=
'alert alert-
danger' role='alert'>File is required
.</div>");
                redirect('Surat/pengajuan
Surat');
            } else {
                // Konfigurasi File yang
                di Upload
                $config['upload_path']
                = './assets/img/file_kua/';
                $config['allowed_types']
                = 'jpg|png|jpeg';
                $config['max_size']
                = 200000;
                $config['max_width']
                = 4000;
                $config['max_height']
                = 4000;
                $config['encrypt_name']
                = TRUE;

                $this->load-
>library('upload', $config);

```

```

        if (!$this->upload-
>do_upload('file_kua'))
        {
            $error = array('error
' => $this->upload-
>display_errors());
            $this->session-
>set_flashdata("message",`<div class=
'alert alert-
danger' role='alert'>${$error}</div>
`);
            redirect('Surat/penga
juanSurat');
        }
        else
        {
            //Ambil data user
            $this->load-
>model('User_model','user');
            $data['user'] = $this
->user->GetUser($this->session-
>userdata('username'));

            $user_id = $data['use
r']['id_user'];
            $fileName = $this-
>upload->data('file_name');
            // Membuat Unique Id
            untuk data detail pengajuan
            $dataPengajuan_id = r
            and() . '-' . uniqid('dpi');
            $detailSuami_id = ran
            d() . '-' . uniqid('ddcs');
            $detailIstri_id = ran
            d() . '-' . uniqid('ddci');

            // Membuat Kode Surat
            //kode surat / uruta
            n surat / tahun
            $this->load-
>model('Surat_model','surat');
            $countRowPengajuanUse
            r = count($this->surat-
>countRowPengajuanByUser($user_id))+1
            ;
            $countRowPengajuan =
            count($this->surat-
>countRowPengajuan())+1;
            $kodeSurat = '472.2';
            //id_user0inputan surat beberapa
            $urutanSurat = '0' . $
            countRowPengajuan; //0 urutan dari ke
            seluruhan surat tahun ini
            $tahun = date('Y',tim
            e());
            $no_surat = $kodeSura
            t . '/' . $urutanSurat . '/' . $tahun;

            // Inisialisasi Data
            Pengajuan yang Diperlukan
            $dataPengajuan = [
            'id_data_pengajua
            n' => $dataPengajuan_id,
            'no_pemeriksaan'
            => htmlspecialchars($this-
>input-
>post('nomor_pemeriksaan'),true),
            'no_surat'
            => $no_surat,
            'tgl_pelaksanaan_
            nikah' => htmlspecialchars($this-

```

```

>input-
>post('tgl_pelaksanaan_nikah'),true),
            'tempat_pelaksana
            an' => htmlspecialchars($this-
>input-
>post('tempat_pelaksanaan'),true),
            'user_id'
            => $user_id,
            'file'
            => $fileName,
            'detail_suami_id'
            => $detailSuami_id,
            'detail_istri_id'
            => $detailIstri_id,
            'status_pengajuan
            '
            => 'Pending',
            'created_at'
            => date('Y-m-d',time()),
            'updated_at'
            => date('Y-m-d',time())
            ];

            // Inisialisasi Detai
            l Data Calon Suami
            $dataDetailSuami = [
            'id_detail_suami'
            => $detailSuami_id,
            'nama_suami'
            => htmlspecialchars($this-
>input->post('nama_suami'),true),
            'tempat_lahir_sua
            mi' => htmlspecialchars($this-
>input-
>post('tempat_lahir_suami'),true),
            'tanggal_lahir_su
            ami' => htmlspecialchars($this-
>input-
>post('tanggal_lahir_suami'),true),
            'bin_suami'
            => htmlspecialchars($this-
>input->post('bin_suami'),true),
            'agama_suami'
            => htmlspecialchars($this-
>input->post('agama_suami'),true),
            'pekerjaan_suami'
            => htmlspecialchars($this-
>input-
>post('pekerjaan_suami'),true),
            'kewarganegaraan_
            suami' => htmlspecialchars($this-
>input-
>post('kewarganegaraan_suami'),true),
            'alamat_suami'
            => htmlspecialchars($this-
>input->post('alamat_suami'),true),
            'status_suami'
            => htmlspecialchars($this-
>input->post('status_suami'),true)
            ];

            // Inisialisasi Detai
            l Data Calon Istri
            $dataDetailIstri = [
            'id_detail_istri'
            => $detailIstri_id,
            'nama_istri'
            => htmlspecialchars($this-
>input->post('nama_istri'),true),
            'tempat_lahir_ist
            ri' => htmlspecialchars($this-

```

```

>input-
>post('tempat_lahir_istri'),true),
        'tanggal_lahir_istri' => htmlspecialchars($this->input->post('tanggal_lahir_istri'),true),
        'bin_istri' => htmlspecialchars($this->input->post('bin_istri'),true),
        'agama_istri' => htmlspecialchars($this->input->post('agama_istri'),true),
        'pekerjaan_istri' => htmlspecialchars($this->input->post('pekerjaan_istri'),true),
        'kewarganegaraan_istri' => htmlspecialchars($this->input->post('kewarganegaraan_istri'),true),
        'alamat_istri' => htmlspecialchars($this->input->post('alamat_istri'),true),
        'status_istri' => htmlspecialchars($this->input->post('status_istri'),true)
    ];

    // Masukan Data ke Database

    $insertDataPengajuan = $this->surat->insertDataPengajuan($dataPengajuan);
    $insertDetailDataSuami = $this->surat->insertDataPengajuan('detail_suami',$dataDetailSuami);
    $insertDetailDataIstri = $this->surat->insertDataPengajuan('detail_istri',$dataDetailIstri);

    // Cek Jika Data Berhasil Di Save
    if($insertDataPengajuan && $insertDetailDataSuami && $insertDetailDataIstri){
        $this->session->set_flashdata("message","<div class='alert alert-success' role='alert'>Pengajuan Berhasil Diajukan.</div>");
        redirect('surat/statusPengajuanSurat');
    } else {
        $this->session->set_flashdata("message","<div class='alert alert-danger' role='alert'>Pengajuan Gagal Diajukan.</div>");
        redirect('surat/statusPengajuanSurat');
    }
}

public function listPengajuanSurat()
{
    // Cek jika bukan admin
    $role_id = $this->session->userdata('role_id');
    if($role_id !== "1") {
        redirect();
    }

    //Ambil data user
    $this->load->model('User_model','user');
    $data['user'] = $this->user->getUser($this->session->userdata('username'));

    $data['title'] = "List Pengajuan Surat | SIRENI";

    // Ambil data pengajuan berdasarkan user
    $this->load->model('Surat_model','surat');
    $data['dataPengajuan'] = $this->surat->getDataPengajuanByStatus('Pending');

    //Load View
    $this->load->view('templates/header',$data);
    $this->load->view('templates/admin_navbar',$data);
    $this->load->view('admin/surat/listPengajuanSurat',$data);
}

public function validasiPengajuan($id_data_pengajuan)
{
    // Cek jika bukan admin
    $role_id = $this->session->userdata('role_id');
    if($role_id !== "1") {
        redirect();
    }

    //Update Data Menjadi Tertolak
    $this->load->model('Surat_model','surat');
    $dataTervalidasi = $this->surat->updatePengajuanKonfirmasi($id_data_pengajuan);

    if($dataTervalidasi) {
        $this->session->set_flashdata("message","<div class='alert alert-success' role='alert'>Pengajuan Berhasil Di-Validasi.</div>");
        redirect('surat/listPengajuanSurat');
    } else {
        $this->session->set_flashdata("message","<div class='alert alert-danger' role='alert'>Pengajuan Gagal Di-Validasi.</div>");
    }
}

```

```

        redirect('surat/listPengajuanSurat');
    }
}

public function tolakPengajuan($id_data_pengajuan)
{
    // Cek jika bukan admin
    $role_id = $this->session->userdata('role_id');
    if($role_id !== "1") {
        redirect();
    }

    //Update Data Menjadi Ter-Tolak
    $this->load->model('Surat_model','surat');
    $dataTertolak = $this->surat->updatePengajuanTolak($id_data_pengajuan);

    if($dataTertolak) {
        $this->session->set_flashdata("message","<div class='alert alert-warning' role='alert'>Pengajuan Berhasil Di-Tolak.</div>");
        redirect('surat/riwayatPengajuanSurat');
    } else {
        $this->session->set_flashdata("message","<div class='alert alert-danger' role='alert'>Pengajuan Gagal Di-Tolak.</div>");
        redirect('surat/riwayatPengajuanSurat');
    }
}

public function riwayatPengajuanSurat()
{
    // Cek jika bukan admin
    $role_id = $this->session->userdata('role_id');
    if($role_id !== "1" && $role_id !== "3") {
        redirect();
    }

    //Ambil data user
    $this->load->model('User_model','user');
    $data['user'] = $this->user->getUser($this->session->userdata('username'));

    $data['title'] = "Riwayat Pengajuan Surat | SIRENI";
    $data['keyword'] = "";
    // Ambil data pengajuan berdasarkan user
    $this->load->model('Surat_model','surat');
    $data['dataPengajuan'] = $this->surat->getRiwayatDataPengajuan();
    $data['waktu_eksekusi'] = 0;
    //Load View

```

```

    $this->load->view('templates/header',$data);
    if($role_id == "1") {
        $this->load->view('templates/admin_navbar',$data);
    }
    $this->load->view('admin/surat/riwayatSurat',$data);
    } else if($role_id == "3") {
        $this->load->view('templates/camat_navbar',$data);
    }
    $this->load->view('camat/surat/riwayatSurat',$data);
}

public function listKonfirmasiSurat()
{
    //Cek Jika Bukan Camat
    $role_id = $this->session->userdata('role_id');
    if($role_id !== "3") {
        redirect();
    }

    //Ambil data user
    $this->load->model('User_model','user');
    $data['user'] = $this->user->getUser($this->session->userdata('username'));

    $data['title'] = "List Konfirmasi Surat | SIRENI";

    // Ambil data pengajuan berdasarkan user
    $this->load->model('Surat_model','surat');
    $data['dataPengajuan'] = $this->surat->getDataPengajuanByStatus('Terkonfirmasi');

    //Load View
    $this->load->view('templates/header',$data);
    $this->load->view('templates/camat_navbar',$data);
    $this->load->view('camat/surat/listKonfirmasiSurat',$data);
    $this->load->view('templates/footer',$data);
}

public function konfirmasiPengajuan($id_data_pengajuan)
{
    // Cek jika bukan Camat
    $role_id = $this->session->userdata('role_id');
    if($role_id !== "3") {
        redirect();
    }
}

```

```

        $this->load-
>model('User_model','user');
        $data['user'] = $this->user-
>getUser($this->session-
>userdata('username'));

        $idCamat = $data['user']['id_
user'];

        //Update Data Menjadi Ter-
Konfirmasi
        $this->load-
>model('Surat_model','surat');
        $dataKonfirmasi = $this-
>surat-
>updatePengajuanValid($id_data_pengaj
uan, $idCamat);

        if($dataKonfirmasi) {
            $this->session-
>set_flashdata("message","<div class=
'alert alert-
warning' role='alert'>Pengajuan Berha
sil Di-Validasi.</div>");
            redirect('surat/riwayatPe
ngajuanSurat');
        } else {
            $this->session-
>set_flashdata("message","<div class=
'alert alert-
danger' role='alert'>Pengajuan Gagal
Di-Validasi.</div>");
            redirect('surat/riwayatPe
ngajuanSurat');
        }
    }

    public function printSurat($id_da
ta_pengajuan)
    {
        $this->load-
>model('Surat_model','surat');
        $data['dataPengajuan'] = $thi
s->surat-
>getDataPengajuanById($id_data_pengaj
uan);
        $this->load-
>view('user/surat/cetak',$data);
    }
}

```

..../sireni/application/controllers/Se arch.php

```

<?php
defined('BASEPATH') or exit('No direc
t script access allowed');

class Search extends CI_Controller {
    public function __construct()
    {
        parent::__construct();
        $this->load-
>library('form_validation');
    }

    public function index() {
        $role_id = $this->session-
>userdata('role_id');

```

```

        //Jika Pengguna
        if($role_id == "2") { // User
            redirect();
        } else if($role_id == "1") {
            // Admin
            $this-
>searchWithSequential();
        } else if($role_id == "3") {
            // Camat
            $this-
>searchWithSequential();
        } else {
            redirect();
        }
    }

    private function searchWithSequen
tial() {
        $awal = microtime(true);
        $role_id = $this->session-
>userdata('role_id');
        // Ambil Data dari Inputan
        $keyword = htmlspecialchars($
this->input->post('keyword'),true);
        if($keyword == "") {
            $this->session-
>set_flashdata("message","<div class=
'alert alert-
danger' role='alert'>Keyword Tidak Bo
leh Kosong.</div>");
            redirect('surat/riwayatPe
ngajuanSurat');
        }
        $data['keyword']=$keyword;
        // Variable Hasil
        $result = [];

        // Ambil Data Pengajuan di Da
tabase
        $this->load-
>model('Search_model','search');
        $dataRiwayat = $this->search-
>getRiwayatDataPengajuan();
        // Sequential Search
        foreach($dataRiwayat as $dR)
        {
            $abc = $dR['bin_suami'];
            $def = $dR['bin_istri'];
            $dR['bin_suami'] = NULL;
            $dR['bin_istri'] = NULL;
            foreach($dR as $d) {
                if(stripos($d, $keywo
rd) !== false) {
                    // Masukkan hasil
apabila true ke variable result
                    $dR['bin_suami']
= $abc;
                    $dR['bin_istri']
= $def;
                    array_push($resul
t, $dR);
                    break;
                }
            }
        }

        // Inialisasi hasil sequent
ialSearch
        $data['dataPengajuan'] = $res
ult;

```



```

        //Ambil data user
        $this->load-
>model('User_model','user');
        $data['user'] = $this->user-
>getUser($this->session-
>userdata('username'));

        $data['title'] = "Riwayat Pen
gajian Surat | SIRENI";

        $akhir = microtime(true);

        $data['waktu_eksekusi'] = $ak
hir - $awal;
        //Load View
        $this->load-
>view('templates/header',$data);
        if($role_id == "1") {
            $this->load-
>view('templates/admin_navbar',$data)
;
            $this->load-
>view('admin/surat/riwayatSurat',$dat
a);
        } else if($role_id == "3") {
            $this->load-
>view('templates/camat_navbar',$data)
;
            $this->load-
>view('camat/surat/riwayatSurat',$dat
a);
        }
    }
}

.../sireni/application/controllers/Re
nder.php
<?php
defined('BASEPATH') OR exit('No direc
t script access allowed');

class Render extends CI_Controller {

    public function __construct()
    {
        parent::__construct();
        //Cek jika bukan pengguna
        if($this->session-
>userdata('role_id') == null) {
            redirect();
        }
        $this->load-
>library('Ciqrcode');

    }

    public function QRcode($pengaju,$
nomor_surat,$tgl_surat) {
        $ttd = QRcode::png(
            str_replace('%20',' ',$spe
ngaju).' no_surat: '.str_replace('%20','/
',$nomor_surat).' tgl_surat: '.st
r_replace('%20',' ',$tgl_surat),
            $outFile = false,
            $level = QR_ECLEVEL_H,
            $size = 2,
            $margin = 0
        );
    }
}

```

```

        public function QRcodeCetak($peng
aju,$nomor_surat,$tgl_surat) {
            $ttd = QRcode::png(
                str_replace('%20',' ',$pengaj
u).' no_surat: '.str_replace('%20','/
',$nomor_surat).' tgl_surat: '.str_re
place('%20',' ',$tgl_surat),
                $outFile = false,
                $level = QR_ECLEVEL_H,
                $size = 1,
                $margin = 1
            );
        }
    }
}

```

.../sireni/application/controllers/Pe laporan.php

```

<?php
defined('BASEPATH') or exit('No direc
t script access allowed');

class Pelaporan extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
        $this->load-
>library('form_validation');
    }

    public function index()
    {
        $role_id = $this->session-
>userdata('role_id');
        //Jika Pengguna
        if($role_id == "2" || $role_id
== "3") {
            $this-
>pelaporanPengguna();
        } else if($role_id == "1") {
            $this-
>dataLaporanPengguna();
        } else {
            redirect();
        }
    }

    public function pelaporanPengguna
()
    {
        // Cek jika bukan pengguna
        $role_id = $this->session-
>userdata('role_id');
        if($role_id != "2" && $role_
id != "3") {
            redirect();
        }

        $this->form_validation-
>set_rules('laporan','Keterangan Masa
lah','required|trim');

        if($this->form_validation-
>run() == false){
            //Ambil data user
            $this->load-
>model('User_model','user');

```

```

        $data['user'] = $this-
>user->getUser($this->session-
>userdata('username'));

        // Data Title
        $data['title'] = "Data Pe
laporan Masalah";

        // Ambil Data Keluhan By
User
        $this->load-
>model('Laporan_model','laporan');
        $id_user = $data['user']
'id_user'];
        $data['dataKeluhan'] = $t
his->laporan-
>getDataLaporanByUser($id_user);

        //Load View
        $this->load-
>view('templates/header',$data);
        if($role_id == "2"){

                $this->load-
>view('templates/user_navbar',$data);
                $this->load-
>view('user/pelaporan/laporkanMasalah
',$data);

        } else if($role_id == "3"
) {

                $this->load-
>view('templates/camat_navbar',$data)
;

                $this->load-
>view('camat/pelaporan/laporkanMasala
h',$data);

        }

        $this->load-
>view('templates/footer',$data);
    } else {

        $this->addLaporanBaru();

    }

}

private function addLaporanBaru()

{
    // Inisialisasi Input Value
ke Variable
    $laporan = $this->input-
>post('laporan');

    //Ambil data user
    $this->load-
>model('User_model','user');
    $data['user'] = $this->user-
>getUser($this->session-
>userdata('username'));

    $user_id = $data['user']['id_
user'];

    //Membuat unique ID
    $id_laporan = time().'-
'.rand().'-'.uniqid('report');

```

```

        $data = [
            'id_laporan' => $id_lapor
an,
            'user_id' => $user_id,
            'laporan' => htmlspecialchars(
$laporan,true),
            'jawaban' => '-',
            'asked_at' => date('Y-m-
d',time())
        ];

        // Input ke Database
        $this->load-
>model('Laporan_model','laporan');
        $insertLaporanBaru = $this-
>laporan->insertLaporanBaru($data);

        // Cek Jika Data Berhasil Di
Save
        if($insertLaporanBaru){
            $this->session-
>set_flashdata("message",<div class=
'alert alert-
success' role='alert'>Laporan Berhasi
l Diajukan.</div>");
            redirect('pelaporan/pelap
oranPengguna');
        } else {
            $this->session-
>set_flashdata("message",<div class=
'alert alert-
success' role='alert'>Laporan Gagal D
iajukan.</div>");
            redirect('pelaporan/pelap
oranPengguna');
        }
    }

    public function dataLaporanPenggu
na()
    {
        // Cek jika bukan Admin
        $role_id = $this->session-
>userdata('role_id');
        if($role_id != "1") {
            redirect();
        }

        //Ambil data user
        $this->load-
>model('User_model','user');
        $data['user'] = $this-
>user->getUser($this->session-
>userdata('username'));

        // Data Title
        $data['title'] = "Data Pe
laporan Masalah";

        // Ambil Data Keluhan By
User
        $this->load-
>model('Laporan_model','laporan');
        $id_user = $data['user']
'id_user'];
        $data['dataKeluhan'] = $t
his->laporan->getDataLaporan();

        //Load View
        $this->load-
>view('templates/header',$data);

```

```

        $this->load-
>view('templates/admin_navbar',$data)
;
        $this->load-
>view('admin/pelaporan/dataLaporanMas
alah',$data);
        $this->load-
>view('templates/footer',$data);
    }

    public function updateLaporanTerj
awab($id_laporan)
    {
        // Cek jika bukan Admin
        $role_id = $this->session-
>userdata('role_id');
        if($role_id != "1") {
            redirect();
        }

        // Cek Jika Kolom Jawaban Tel
ah Diisi
        $this->form_validation-
>set_rules('jawaban','Jawaban','requi
red|trim');

        if($this->form_validation-
>run() == false) {
            redirect('Pelaporan/dataL
aporanPegguna');
        } else {

            // Ambil Id Admin
            $admin_id = $this-
>session->userdata('id_user');
            $data = [
                'admin_id' => $a
dmin_id,
                'jawaban' => ht
mspecialchars($this->input-
>post('jawaban')),
                'answered_at' => da
te('Y-m-d',time())
            ];

            //Update Data pada Databa
se
            $this->load-
>model('Laporan_model','laporan');
            $updateJawaban = $this-
>laporan-
>updateJawabanPelaporan($id_laporan,$
data);

            if($updateJawaban) {
                $this->session-
>set_flashdata("message","<div class=
'alert alert-
success' role='alert'>Jawaban Berhasi
l Di-Kirim.</div>");
                redirect('Pelaporan/d
ataLaporanPegguna');
            } else {
                $this->session-
>set_flashdata("message","<div class=
'alert alert-
danger' role='alert'>Jawaban Gagal Di
-Kirim.</div>");
                redirect('Pelaporan/d
ataLaporanPegguna');
            }
        }
    }
}

```