

PBL-101 POLIBATAM ACADEMIC SENATE INFORMATION MANAGEMENT APPLICATION

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**POLITEKNIK
NEGERI BATAM**



The Role & Contribution Of Each Member

- 01. RAFI IKHWANSYAH**
As the Leader and a role in ER Diagram and Back-End
- 02. MUHAMMAD HAQQI GHAFUR**
As the Front-End and assisted in the design
- 03. RAIHAN PUTRA ATMAJA**
As the Back-End and assisted in processing doc and PPT
- 04. ALENDEA RESTA AMAIRA**
As the Tester and assisted in processing doc, Design, and PPT
- 05. KEISHA ASRI DELVIA**
As the UI/UX Design and assisted in processing PPT
- 06. ROFIKA ADI AMANDA**
As the Analyst and assisted in processing PPT



General Description Of The Software

The senate application system is a system created to provide information to the academic community, both to students and to external parties who want to find information about the Polibatam Senate.

This web-based senate application has several information and features that can be accessed by academics and non-academics.





Functional Requirements

F001	Senate Members can Login
F002	Senate Members can manage information related to the Polibatam academic senate, including news, regulatory products, work programs, and structures.
F003	Users can search for information related to the Polibatam academic senate, including news, regulatory products, meeting schedules, work programs, and structures.
F004	Users can send anonymous input on aspirations
F005	Senate Members can view Visualization of incoming aspirations
F006	Senate Members can view schedule reminder notifications via email
F007	Senate Members can log out or exit the system

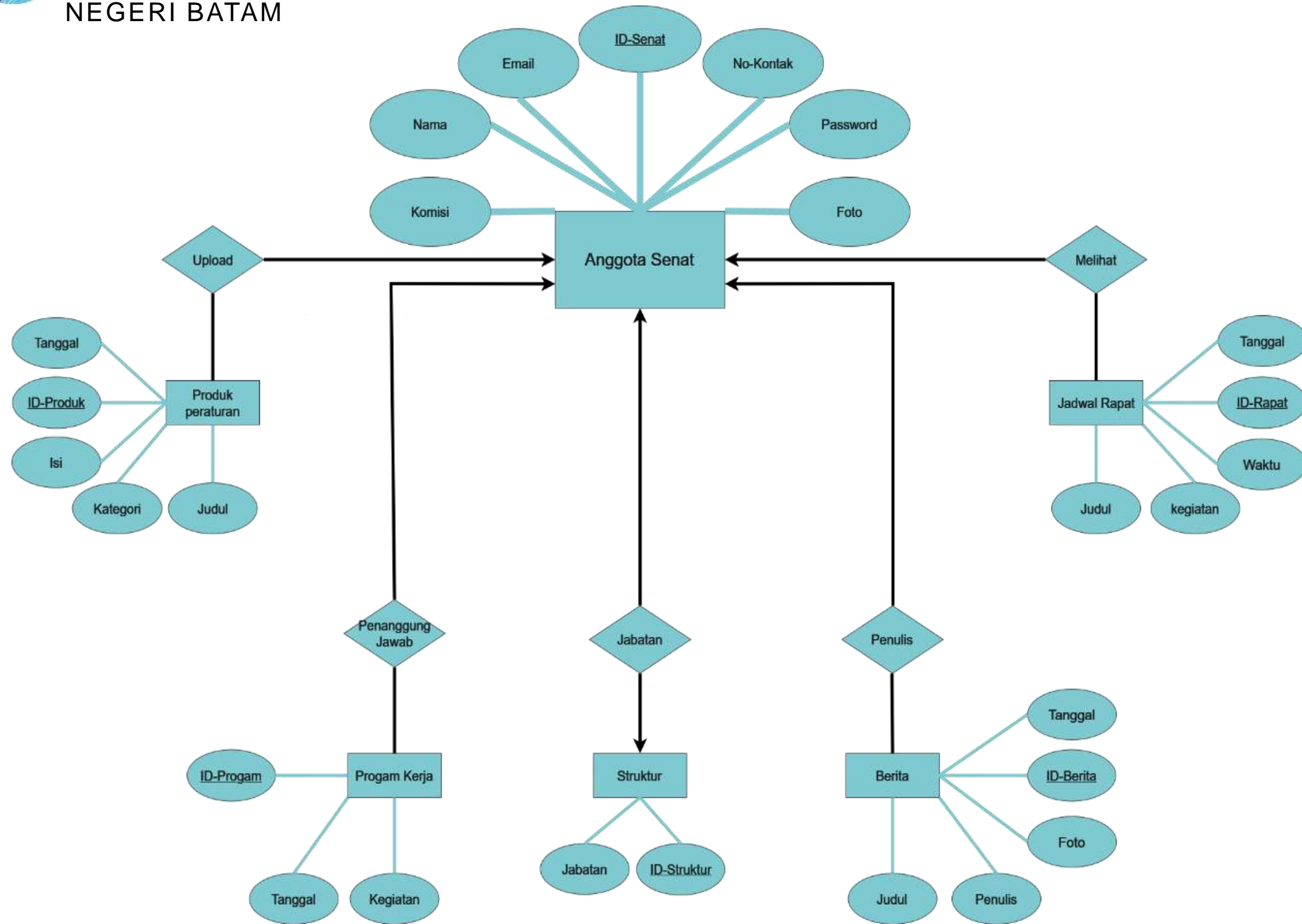


Non-Functional Requirements

Maintability	Attractive and easy to use appearance
Security	The application must use HTTPS for all online communication and cannot be accessed offline
Portability	The application must be compatible with major web browsers (chrome, firefox, safari, edge) and responsive across devices.
Safety	The application must comply with relevant legal and regulatory requirements, such as data protection
language	Using Indonesian



Use Case Diagram



ER Diagram

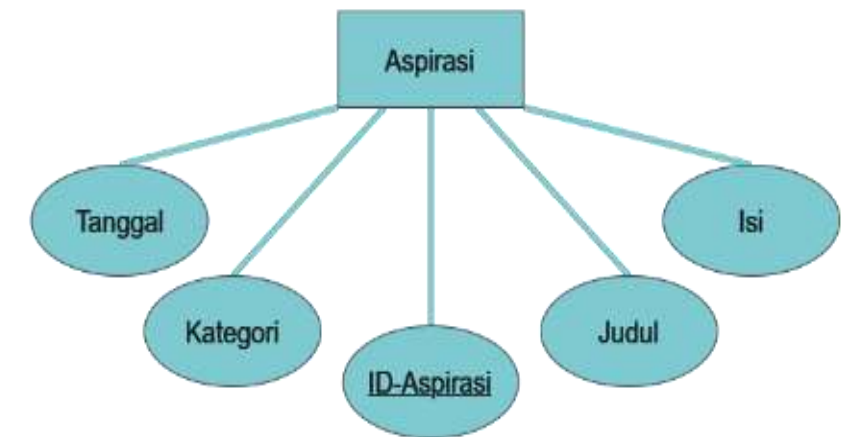




Table Structure



Nama table :	Anggota Senat			
Primary key :	<u>ID-Senat</u>			
Foreign Key :				
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Senat</u>	Integer	20	Kode admin Senat
	Email	Varchar	255	Email anggota senat
	Nama	Varchar	150	Nama anggota senat
	No-kontak	integer	50	No kontak anggota senat
	Komisi	Varchar	50	Komisi anggota senat
	Foto	Varchar	255	Foto anggota senat
	Password	Varchar	250	Password anggota senat

Nama table :	Program kerja			
Primary key :	<u>ID-Progam</u>			
Foreign Key :	ID-Senat			
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Progam</u>	Integer	20	Kode Proker
	Kegiatan	Varchar	50	Kegiatan Proker
	Tanggal	Date	-	Tanggal Proker
	ID-Senat	Integer	20	Kode Anggota Senat

Nama table :	Struktur			
Primary key :	<u>ID-Struktur</u>			
Foreign Key :	ID-Senat			
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Struktur</u>	Integer	20	Kode Struktur
	Jabatan	Varchar	50	Jabatan Struktur
	ID-Senat	Integer	20	Kode Anggota Senat

Nama table :	Berita			
Primary key :	<u>ID-Berita</u>			
Foreign Key :	ID-Senat			
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Berita</u>	Integer	20	Kode Berita
	Judul	Varchar	50	Judul Berita
	Tanggal	Date	-	Tanggal Berita
	Penulis	Varchar	150	Penulis Berita
	Foto	Varchar	255	Foto Berita
	ID-Senat	Integer	20	Kode Anggota Senat

Nama table :	Produk Peraturan			
Primary key :	<u>ID-Produk</u>			
Foreign Key :	ID-Senat			
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Produk</u>	Integer	20	Kode admin Senat
	Judul	Varchar	50	Judul Produk
	Isi	Varchar	255	Isi Produk
	Kategori	Varchar	50	Kategori Produk
	Tanggal	Date	-	Tanggal Produk
	ID-Senat	Integer	20	Kode Anggota Senat

Nama table :	Aspirasi			
Primary key :	<u>ID-Aspirasi</u>			
Foreign Key :				
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Aspirasi</u>	Integer	20	Kode Aspirasi
	Judul	Varchar	50	Judul Aspirasi
	Kategori	Varchar	50	Kategori Aspirasi
	Isi	Varchar	255	Isi Aspirasi
	Tanggal	Date	-	Tanggal Aspirasi

Nama table :	Jadwal Rapat			
Primary key :	<u>ID-Rapat</u>			
Foreign Key :	ID-Senat			
Struktur table :	Nama	Tipe	Panjang	Deskripsi
	<u>ID-Rapat</u>	Integer	20	Kode Jadwal Rapat
	Kegiatan	Varchar	50	Kegiatan Rapat
	Judul	Varchar	50	Judul Rapat
	Waktu	integer	20	Waktu Rapat
	Tanggal	Date	-	Tanggal Rapat
	ID-Senat	Integer	20	Kode Anggota Senat



THANKYOU!