

**L
A
M
P
I
R
A
N**



KARTU MONITORING BIMBINGAN
MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

PROPOSAL

Mahasiswa : FIQRA AIDIL ALFISYAHWAN	Pembimbing I : Wahyuddin, S.Kom.,M.Kom
NIM : 220280173	Pembimbing II : Andi Wafiah, S.Kom.,M.Kom
Judul Skripsi : APLIKASI RENCANA ANGGARAN BIAYA (RAB) PADA PERUMAHAN TIPE 36 BERBASIS WEB	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 - Ikuti panduan - Perbaiki desain sistem		Konsultasi 1 Manfaat penelitian - Urutkan secara detail perumahan tipe 36	
Konsultasi 2 - Teori yg digunakan		Konsultasi 2 Desain sistem diperbaiki sesuai dgn judul yg diberikan	
Konsultasi 3 - Ringkasan bab - Masukkan pada BAB II		Konsultasi 3 - Sistem yg berjalan - Flowchart	
Konsultasi 4 Ace		Konsultasi 4 - Rancangan Interface - Metak pengujian yg digunakan	
Konsultasi 5		Konsultasi 5 - def. Gambar sesuai format - Interface	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

Lanjutan ...

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 6		Konsultasi 6 ACC ujian Proposal	f-
Konsultasi 7		Konsultasi 7	
Konsultasi 8		Konsultasi 8	
Konsultasi 9		Konsultasi 9	
Konsultasi 10		Konsultasi 10	

Mengetahui
Ketua Program Studi

Marlina, S.Kom.,M.Kom.
NBM. 1162 680

Parepare, 25 Juni 2024

Mahasiswa

FIQRA AIDIL ALFISYAHWAN
NIM. 220280173

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik



KARTU MONITORING BIMBINGAN
MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

SKRIPSI

Mahasiswa : FIQRA AIDIL ALFISYAHWAN	Pembimbing I : Wahyuddin, S.Kom., M.Kom
NIM : 220280173	Pembimbing II : Andi Wafiah, S.Kom., M.Kom
Judul Skripsi : APLIKASI RENCANA ANGGARAN BIAYA (RAB) PADA PERUMAHAN TIPE 36, 45 DAN 72 BERBASIS WEB	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 - proses hubungan RAB		Konsultasi 1 Lengkapi proses pd Tampilan aplikasi	
Konsultasi 2 		Konsultasi 2 ACC	
Konsultasi 3		Konsultasi 3	
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik

1. Db_rab_rumah

```
Database: `db_rab_rumah`
--
-- Struktur dari tabel `tb_sub_uraian`
--

CREATE TABLE `tb_sub_uraian` (
  `IdSubUraian` int(11) NOT NULL,
  `IdTipe` int(11) NOT NULL,
  `IdUraian` int(11) NOT NULL,
  `NamaSubUraian` varchar(255) NOT NULL,
  `Volume` varchar(10) NOT NULL,
  `Satuan` varchar(5) NOT NULL,
  `HargaSatuan` varchar(15) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_general_ci;

--
-- Dumping data untuk tabel `tb_sub_uraian`
--

INSERT INTO `tb_sub_uraian` (`IdSubUraian`, `IdTipe`, `IdUraian`, `NamaSubUraian`, `Volume`,
`Satuan`, `HargaSatuan`) VALUES
(1, 2, 1, 'Pekerjaan Persiapan Lahan (Lokasi
Pekerjaan)', '45', 'M²', '16900.26'),
(2, 2, 1, 'Pekerjaan Pengukuran & Pasang Bowplan',
'45', 'M²', '45245.76'),
(3, 2, 1, 'Pengadaan IMB', '250', 'M²', '5000.00'),
(4, 2, 2, 'Pekerjaan Galian Tanah Pondasi', '54.791',
'M³', '72182.05'),
(5, 2, 2, 'Urugan Kembali Bekas Galian', '23.006',
'M³', '79950.00'),
(6, 2, 2, 'Pekerjaan Urugan Pasir Bawah Pondasi',
'4.530', 'M³', '153450.00'),
(7, 2, 2, 'Pekerjaan Pondasi Batu Kosong', '7.515',
'M³', '523128.61'),
(8, 2, 2, 'Pekerjaan Urugan Pasir Bawah Lantai',
'9.300', 'M³', '115820.93'),
(9, 2, 2, 'Pekerjaan Pondasi Batu Kali 1:4', '19.740',
'M³', '725940.75'),
(10, 2, 3, 'Pasang Batu Merah tbl 1/2 bt 1PC : 3Ps',
'202.070', 'M²', '107323.13'),
(11, 2, 3, 'Pekerjaan Plesteran 1PC : 3Ps', '404.140',
'M²', '67674.28'),
(12, 2, 4, 'Pekerjaan Beton Bertulang Sloof 15/20
(Beton 1PC : 2Ps : 3Kr)', '2.070', 'M³', '2138750.89'),
(13, 2, 4, 'Pekerjaan Beton Bertulang Sloof 15/20
(Besi Tulangan)', '300.648', 'Kg', '3508.12'),
(14, 2, 4, 'Pekerjaan Beton Bertulang Sloof 15/20
(Bekisting)', '27.600', 'Kg', '190506.01'),
(15, 2, 4, 'Pekerjaan Beton Bertulang Kolom praktis
15/15 (Beton 1PC : 2Ps : 3Kr)', '1.188', 'M³',
'2138750.89'),
(16, 2, 4, 'Pekerjaan Beton Bertulang Kolom praktis
15/15 (Besi Tulangan)', '233.440', 'Kg', '3508.12'),
(17, 2, 4, 'Pekerjaan Beton Bertulang Kolom praktis
15/15 (Bekisting)', '15.840', 'Kg', '274409.36'),
(18, 2, 4, 'Pekerjaan Beton Bertulang Ring Balk 15/15
(Beton 1PC : 2Ps : 3Kr)', '1.552', 'M³', '2138750.89'),
(19, 2, 4, 'Pekerjaan Beton Bertulang Ring Balk 15/15
(Besi Tulangan)', '580.600', 'Kg', '3508.12'),
(20, 2, 4, 'Pekerjaan Beton Bertulang Ring Balk 15/15
(Bekisting)', '27.600', 'Kg', '190506.01'),
(21, 2, 5, 'Pasang Tegel Lantai Keramik Warna 40cm
x 40cm', '47.97', 'M²', '145793.83'),
(22, 2, 5, 'Pasang Tegel Lantai Keramik Warna 30cm
x 30cm', '0.75', 'M²', '191104.63'),
(23, 2, 6, 'Baja Ringan C75.75 U45.045', '64.050',
'M²', '166794.96'),
(24, 2, 6, 'Pasang Atap Genteng Metal', '58.890', 'M²',
'161375.65'),
(25, 2, 6, 'Pasang Lisplank 3/30', '12.000', 'M',
'428691.01'),
(26, 2, 7, 'Pasang Rangka Plafond', '43.000', 'M²',
'197841.35'),
(27, 2, 7, 'Pasang Plafond Gypsum 120/240', '59.360',
'M²', '62650.55'),
(28, 2, 8, 'Pekerjaan Kusen Pintu Dan Jendela',
'0.060', 'M³', '2106085.73'),
(29, 2, 8, 'Pekerjaan Daun Pintu Dan Jendela',
'10.500', 'M²', '609428.45'),
(30, 2, 9, 'Pasang Kunci Pintu', '5.00', 'Bh',
'80135.66'),
(31, 2, 9, 'Pasang Engsel Pintu Standar 4 inci', '15.00',
'Bh', '72573.61'),
(32, 2, 9, 'Pasang Engsel Jendela 3 inci', '16.00', 'Bh',
'38791.44'),
(33, 2, 9, 'Grendel Pintu', '5.00', 'Bh', '72504.90'),
(34, 2, 9, 'Pasang Grendel Jendela', '8.00', 'Bh',
'72504.90'),
(35, 2, 9, 'Pasang Tarikan Jendela', '8.00', 'Bh',
'72504.90'),
(36, 2, 10, 'Pasang Floor Drain', '2', 'Bh', '108432.78'),
(37, 2, 10, 'Pasang Kran WC, Tempat Cuci Piring Dan
Carpore', '2', 'Bh', '95623.28'),
(38, 2, 10, 'Pasang Closed Duduk', '1', 'Bh',
'2007885.60'),
(39, 2, 10, 'Pasang Bak Mandi Fiberglass vol. 1m3',
'1', 'Bh', '721551.71'),
(40, 2, 11, 'Instalasi Air Bersih Pipa PVC atipe AW Ø
1 1/4" (Pasang Pipa Ke Bak Mandi)', '12.75', 'M²',
'134373.15'),
(41, 2, 11, 'Instalasi Air Bersih Pipa PVC atipe AW Ø
1 1/4" (Pasang Pipa Ke Dares Depan)', '1.72', 'M²',
'134373.15'),
(42, 2, 11, 'Instalasi Air Bersih Pipa PVC atipe AW Ø
1 1/4" (Pasang Pipa Ke Teras Belakang)', '1.52', 'M²',
'134373.15'),
(43, 2, 11, 'Instalasi Air Kotor Pipa PVC atipe AW Ø
2" (Pasang Pipa Floor Drain Ke Bak Kontrol)', '4.50',
'M²', '176373.15'),
(44, 2, 11, 'Instalasi Air Kotor Pipa PVC atipe AW Ø
2" (Pasang Pipa Bak Kontrol Ke Selokan)', '8.23',
'M²', '176373.15'),
(45, 2, 11, 'Instalasi Air Kotor Pipa PVC atipe AW Ø
2" (Pasang Pipa Wc duduk ke Septitank)', '5.25',
'M²', '176373.15'),
(46, 2, 12, 'Pasang Lampu 9 Watt', '8', 'Bh',
'202807.44'),
(47, 2, 12, 'Pasang Saklar Tunggal', '4', 'Bh',
'25238.39'),
(48, 2, 12, 'Pasang Saklar Ganda', '2', 'Bh',
'58958.02'),
(49, 2, 12, 'Pasang Stop Kontak', '5', 'Bh', '84525.68'),
(50, 2, 12, 'Pasang Sekring Listrik MCB 2 Grup', '1',
'Bh', '248401.26'),
(51, 2, 13, 'Cat Dinding Tembok', '202.070', 'M²',
'53296.45'),
(52, 2, 13, 'Cat Kusen', '0.060', 'M²', '55127.00'),
(53, 2, 14, 'Pembersihan', '90', 'M²', '26497.80'),
(54, 3, 1, 'Pekerjaan Persiapan Lahan (Lokasi
Pekerjaan)', '72', 'M²', '16900.26'),
(55, 3, 1, 'Pekerjaan Pengukuran & Pasang Bowplan',
'72', 'M²', '45245.76'),
(56, 3, 1, 'Pengadaan IMB', '1', 'Ls', '300000.00'),
```

(57, 3, 2, 'Pekerjaan Galian Tanah Pondasi', '62.600', 'M³', '72182.05'),
 (58, 3, 2, 'Urugan Kembali Bekas Galian', '24.840', 'M³', '79950.00'),
 (59, 3, 2, 'Pekerjaan Urugan Pasir Bawah Pondasi', '2.950', 'M³', '153450.00'),
 (60, 3, 2, 'Pekerjaan Pondasi Batu Kosong', '8.850', 'M³', '523128.61'),
 (61, 3, 2, 'Pekerjaan Urugan Pasir Bawah Lantai', '14.400', 'M³', '115820.93'),
 (62, 3, 2, 'Pekerjaan Pondasi Batu Kali 1:4', '25.960', 'M³', '725940.75'),
 (63, 3, 3, 'Pasang Batu Merah tbl 1/2 bt 1PC : 3Ps', '200.198', 'M²', '94691.82'),
 (64, 3, 3, 'Pekerjaan Plesteran 1PC : 3Ps', '400.396', 'M²', '59133.31'),
 (65, 3, 4, 'Pekerjaan Beton Bertulang Sloof 25/25 (Beton 1PC : 2Ps : 3Kr)', '3.688', 'M³', '2299400.89'),
 (66, 3, 4, 'Pekerjaan Beton Bertulang Sloof 25/25 (Besi Tulangan)', '399.6247', 'Kg', '3974.16'),
 (67, 3, 4, 'Pekerjaan Beton Bertulang Sloof 25/25 (Bekisting)', '29.500', 'Kg', '190505.44'),
 (68, 3, 4, 'Pekerjaan Beton Bertulang Kolom praktis 20/20 (Beton 1PC : 2Ps : 3Kr)', '2.736', 'M³', '2299400.89'),
 (69, 3, 4, 'Pekerjaan Beton Bertulang Kolom praktis 20/20 (Besi Tulangan)', '424.691', 'Kg', '3974.16'),
 (70, 3, 4, 'Pekerjaan Beton Bertulang Kolom praktis 20/20 (Bekisting)', '54.720', 'Kg', '274409.36'),
 (71, 3, 4, 'Pekerjaan Beton Bertulang Ring Balk 20/20 (Beton 1PC : 2Ps : 3Kr)', '2.360', 'M³', '2299400.89'),
 (72, 3, 4, 'Pekerjaan Beton Bertulang Ring Balk 20/20 (Besi Tulangan)', '260.173', 'Kg', '3974.16'),
 (73, 3, 4, 'Pekerjaan Beton Bertulang Ring Balk 20/20 (Bekisting)', '23.600', 'Kg', '190505.44'),
 (74, 3, 5, 'Pasang Tegel Lantai Keramik Warna 60cm x 60cm', '48.00', 'M²', '254191.83'),
 (75, 3, 5, 'Pasang Tegel Lantai Keramik Warna 20cm x 20cm', '3.00', 'M²', '138834.20'),
 (76, 3, 6, 'Rangka Kayu 8/12', '1.561', 'M³', '7299734.20'),
 (77, 3, 6, 'Gording Balok 5/10', '0.444', 'M³', '6054920.50'),
 (78, 3, 6, 'Pasang Atap Seng', '105.000', 'M²', '95416.54'),
 (79, 3, 6, 'Pasang Lisplank 3/30', '13.000', 'M', '428691.01'),
 (80, 3, 7, 'Pasang Rangka Plafond Kayu 6/12', '51.000', 'M²', '159186.65'),
 (81, 3, 7, 'Pasang Plafond Gypsum 120/240', '79.00', 'M²', '62650.55'),
 (82, 3, 8, 'Pekerjaan Kusén Pintu Dan Jendela', '1.770', 'M³', '2106085.73'),
 (83, 3, 8, 'Pekerjaan Daun Pintu Dan Jendela', '19.298', 'M²', '609428.45'),
 (84, 3, 9, 'Pasang Kunci Pintu', '4.00', 'Bh', '80135.66'),
 (85, 3, 9, 'Pasang Engsel Pintu Standar 4 inci', '12.00', 'Bh', '72573.61'),
 (86, 3, 9, 'Pasang Engsel Jendela 3 inci', '10.00', 'Bh', '38791.44'),
 (87, 3, 9, 'Grendel Pintu', '5.00', 'Bh', '43052.55'),
 (88, 3, 9, 'Pasang Grendel Jendela', '5.00', 'Bh', '72504.90'),

(89, 3, 9, 'Pasang Tarikan Jendela', '5.00', 'Bh', '72504.90'),
 (90, 3, 10, 'Pasang Floor Drain', '1', 'Bh', '108432.78'),
 (91, 3, 10, 'Pasang Kran WC, Tempat Cuci Piring Dan Carpore', '2', 'Bh', '95623.28'),
 (92, 3, 10, 'Pasang Closed Duduk', '1', 'Bh', '2007885.60'),
 (93, 3, 10, 'Pasang Bak Mandi Fiberglass vol. 1m³', '1', 'Bh', '721551.71'),
 (94, 3, 11, 'Instalasi Air Bersih (Pasang Pipa Ke Bak Mandi)', '8.0', 'M²', '20135.09'),
 (95, 3, 11, 'Instalasi Air Bersih (Pasang Pipa Ke Bak Cuci piring)', '18.0', 'M²', '20135.09'),
 (96, 3, 11, 'Instalasi Air Bersih (Pasang Pipa Ke Teras Belakang)', '20', 'M²', '20135.09'),
 (97, 3, 11, 'Instalasi Air Kotor (Pasang Pipa Floor Drain Ke Selokan)', '10.00', 'M²', '26516.44'),
 (98, 3, 11, 'Instalasi Air Kotor (Pasang Pipa Dapur Ke Selokan)', '4.00', 'M²', '26516.44'),
 (99, 3, 11, 'Instalasi Air Kotor (Pasang Pipa WC Duduk ke Septitank)', '4', 'M²', '26516.44'),
 (100, 3, 12, 'Pasang Penyambung Daya Je PLN', '1', 'Ls', '2000000.00'),
 (101, 3, 12, 'Pasang Lampu Ti 24 Watt', '7', 'Bh', '10000.00'),
 (102, 3, 12, 'Pasang Saklar Tunggal', '5', 'Bh', '25238.39'),
 (103, 3, 12, 'Pasang Saklar Ganda', '1', 'Bh', '58958.02'),
 (104, 3, 12, 'Pasang Stop Kontak', '9', 'Bh', '84525.68'),
 (105, 3, 12, 'Pasang Sekring Listrik MCB 2 Grup', '1', 'Bh', '248401.26'),
 (106, 3, 13, 'Cat Dinding Tembok', '400.396', 'M²', '53296.45'),
 (107, 3, 14, 'Pembersihan', '72', 'M²', '26497.00'),
 (108, 1, 1, 'Pekerjaan Persiapan Lahan (Lokasi Pekerjaan)', '36', 'M²', '26024.63'),
 (109, 1, 1, 'Pekerjaan Pengukuran & Pasang Bowplan', '36', 'M²', '125240.21'),
 (110, 1, 2, 'Pekerjaan Galian Tanah Untuk Pondasi', '24.3', 'M³', '121350.52'),
 (111, 1, 2, 'Pekerjaan Urugan Tanah Kembali Sisi Pondasi', '7.38', 'M³', '80827.31'),
 (112, 1, 2, 'Pekerjaan Urugan Tanah Untuk Peninggian Lantai', '7.44', 'M³', '115820.93'),
 (113, 1, 2, 'Pekerjaan Pasir Bawah Pondasi', '1.44', 'M³', '246492.39'),
 (114, 1, 2, 'Pekerjaan Pondasi Batu Kosong', '9.300', 'M³', '523128.61'),
 (115, 1, 2, 'Pekerjaan Pondasi Batu Kali', '19.479', 'M³', '974826.88'),
 (116, 1, 3, 'Pasang Batu Merah tbl 1/2 bt 1PC : 3Ps', '112.79', 'M²', '186865.88'),
 (117, 1, 3, 'Pekerjaan Plesteran 1PC : 3Ps Tebal 15 mm', '225.58', 'M²', '67305.59'),
 (118, 1, 4, 'Pekerjaan Sloof 15/20 (Pembesian Sloof)', '156.76', 'Kg', '18636.27'),
 (119, 1, 4, 'Pekerjaan Sloof 15/20 (Papan Bekisting Sloof)', '14.4', 'M²', '173928.27'),
 (120, 1, 4, 'Pekerjaan Sloof 15/20 (Cor Beton Sloof)', '1.08', 'M³', '1127893.97'),
 (121, 1, 4, 'Pekerjaan Kolom Beton 15/15 (Pembesian Sloof)', '156.76', 'Kg', '18636.27'),

```

(122, 1, 4, 'Pekerjaan Kolom Beton 15/15 (Papan
Bekisting Sloof)', '14.4', 'M²', '173928.27'),
(123, 1, 4, 'Pekerjaan Kolom Beton 15/15 (Cor Beton
Sloof)', '1.08', 'M³', '1127893.97'),
(124, 1, 4, 'RingBalk Beton 15/15 (Pembesian Sloof)',
'156.76', 'Kg', '18636.27'),
(125, 1, 4, 'RingBalk Beton 15/15 (Papan Bekisting
Sloof)', '14.4', 'M²', '173928.27'),
(126, 1, 4, 'RingBalk Beton 15/15 (Cor Beton Sloof)',
'1.08', 'M³', '1127893.97'),
(127, 1, 5, 'Pasang Tegel Lantai Keramik 30cm x
30cm', '39.04', 'M²', '151395.03'),
(128, 1, 5, 'Pasang Tegel Lantai Keramik 20cm x
20cm', '2.25', 'M²', '163140.45'),
(129, 1, 6, 'Rangka Kuda-kuda Kayu', '0.434', 'M³',
'7299734.20'),
(130, 1, 6, 'Pekerjaan Atap Seng', '52.38', 'M²',
'95416.54'),
(131, 1, 6, 'Pasang Lisplank 3/30', '31.34', 'M',
'91314.54'),
(132, 1, 6, 'Gording 5/7', '0.32', 'M³', '6054920.52'),
(133, 1, 6, 'Nok Bubungan Atap Seng', '5.85', 'M',
'70280.73'),
(134, 1, 7, 'Pasang Rangka Besi Hollow 60x60',
'33.5', 'M²', '255147.47'),
(135, 1, 7, 'Pasang Plafond Gypsum 120/240', '33.5',
'M²', '57920.11'),
(136, 1, 7, 'List Gypsum', '51', 'M', '42184.85'),
(137, 1, 8, 'Pekerjaan Kusen Pintu Dan Jendela',
'0.161', 'M²', '20291662.88'),
(138, 1, 8, 'Pekerjaan Daun Pintu Dan Jendela',
'13.75', 'M²', '885871.25'),
(139, 1, 9, 'Pasang Kunci Pintu', '5', 'Bh', '265173.12'),
(140, 1, 9, 'Pasang Engsel Pintu Standar', '15', 'Bh',
'70338.43'),
(141, 1, 9, 'Pasang Engsel Jendela Standar', '14', 'Bh',
'82014.54'),
(142, 1, 9, 'Pasang Grendel Jendela', '6', 'Bh',
'70338.43'),
(143, 1, 9, 'Pasang Tarikan Jendela', '6', 'Bh',
'33628.86'),
(144, 1, 10, 'Pasang Bak Mandi', '1', 'Bh',
'2553422.64'),
(145, 1, 10, 'Pasang Kloset Jongkok', '1', 'Bh',
'520300.68'),
(146, 1, 10, 'Pasang Kran Air', '1', 'Bh', '180208.99'),
(147, 1, 10, 'Pasang Floor Drain', '1', 'Bh',
'103718.32'),
(148, 1, 11, 'Instalasi Air Bersih Pipa 1/2"', '16.83',
'M', '196241.49'),
(149, 1, 11, 'Instalasi Air Kotor Pipa 3/4" (Kloset)',
'7.71', 'M', '116905.73'),
(150, 1, 11, 'Instalasi Air Kotor Pipa 1/2"', '9.61', 'M',
'153429.46'),
(151, 1, 12, 'Pasang Lampu', '7', 'Bh', '185906.82'),
(152, 1, 12, 'Pasang Saklar Tunggal', '3', 'Bh',
'33535.26'),
(153, 1, 12, 'Pasang Saklar Ganda', '2', 'Bh',
'34745.26'),
(154, 1, 12, 'Pasang Stop Kontak', '3', 'Bh',
'64906.82'),
(155, 1, 12, 'Pasang MCB', '1', 'Bh', '116271.23'),
(156, 1, 13, 'Cat Dinding Tembok', '225.28', 'M²',
'44923.50'),

```

```

(157, 1, 13, 'Cat Kayu', '13.911', 'M²', '60768.56'),
(158, 1, 14, 'Pembersihan', '84', 'M²', '26024.63');

```

```

-----

--
-- Struktur dari tabel `tb_tipe`
--

CREATE TABLE `tb_tipe` (
  `IdTipe` int(11) NOT NULL,
  `Tipe` int(3) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_general_ci;

--
-- Dumping data untuk tabel `tb_tipe`
--

INSERT INTO `tb_tipe` (`IdTipe`, `Tipe`) VALUES
(1, 36),
(2, 45),
(3, 72);

-----

--
-- Struktur dari tabel `tb_uraian`
--

CREATE TABLE `tb_uraian` (
  `IdUraian` int(11) NOT NULL,
  `NamaUraian` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_general_ci;

--
-- Dumping data untuk tabel `tb_uraian`
--

INSERT INTO `tb_uraian` (`IdUraian`,
`NamaUraian`) VALUES
(1, 'Pekerjaan Pendahuluan'),
(2, 'Pekerjaan Galian Tanah Pondasi'),
(3, 'Pekerjaan Pasangan Dan Plesteran'),
(4, 'Pekerjaan Beton Bertulang'),
(5, 'Pekerjaan Lantai Keramik'),
(6, 'Pekerjaan Kuda-kuda Dan Atap'),
(7, 'Pekerjaan Plafond'),
(8, 'Pekerjaan Kuseng, Pintu Dan Jendela'),
(9, 'Pekerjaan Perlengkapan Pintu Dan Jendela'),
(10, 'Pekerjaan Sanitasi Air'),
(11, 'Pekerjaan Instalasi Air'),
(12, 'Pekerjaan Instalasi Listrik'),
(13, 'Pekerjaan Pengecetan'),
(14, 'Pekerjaan Pembersihan');

--
-- Indexes for dumped tables
--

```

```

-- Indeks untuk tabel `tb_sub_uraian`
--
ALTER TABLE `tb_sub_uraian`
  ADD PRIMARY KEY (`IdSubUraian`);

--
-- Indeks untuk tabel `tb_tipe`
--
ALTER TABLE `tb_tipe`
  ADD PRIMARY KEY (`IdTipe`);

--
-- Indeks untuk tabel `tb_uraian`
--
ALTER TABLE `tb_uraian`
  ADD PRIMARY KEY (`IdUraian`);

--
-- AUTO_INCREMENT untuk tabel yang dibuang
--
--
-- AUTO_INCREMENT untuk tabel `tb_sub_uraian`
--
ALTER TABLE `tb_sub_uraian`
  MODIFY `IdSubUraian` int(11) NOT NULL
  AUTO_INCREMENT, AUTO_INCREMENT=160;

--
-- AUTO_INCREMENT untuk tabel `tb_tipe`
--
ALTER TABLE `tb_tipe`
  MODIFY `IdTipe` int(11) NOT NULL
  AUTO_INCREMENT, AUTO_INCREMENT=5;

--
-- AUTO_INCREMENT untuk tabel `tb_uraian`
--
ALTER TABLE `tb_uraian`
  MODIFY `IdUraian` int(11) NOT NULL
  AUTO_INCREMENT, AUTO_INCREMENT=16;
COMMIT;

```

2. Index.php

```

<?php
define('BASE_URL',
(isset($_SERVER['HTTPS'])) &&
$_SERVER['HTTPS'] === 'on' ? "https://" :
"http://") . $_SERVER['HTTP_HOST'] . "/rab/");

$host = "localhost";
$username = "root";
$password = "";
$dbname = "db_rab_rumah";
try {
    $conn = new
PDO("mysql:host=$host;dbname=$dbname",
$username, $password);

```

```

$conn-
>setAttribute(PDO::ATTR_ERRMODE,
PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    echo "Connection failed: " . $e->getMessage();
}

```

```

function penyebut($nilai) {
    $nilai = abs($nilai);
    $huruf = array("", "Satu", "Dua", "Tiga",
    "Empat", "Lima", "Enam", "Tujuh", "Delapan",
    "Sembilan", "Sepuluh", "Sebelas");
    $stemp = "";
    if ($nilai < 12) {
        $stemp = " " . $huruf[$nilai];
    } else if ($nilai < 20) {
        $stemp = penyebut($nilai - 10) . " Belas";
    } else if ($nilai < 100) {
        $stemp = penyebut($nilai / 10) . " Puluh" .
        penyebut($nilai % 10);
    } else if ($nilai < 200) {
        $stemp = " Seratus" . penyebut($nilai - 100);
    } else if ($nilai < 1000) {
        $stemp = penyebut($nilai / 100) . " Ratus" .
        penyebut($nilai % 100);
    } else if ($nilai < 2000) {
        $stemp = " Seribu" . penyebut($nilai - 1000);
    } else if ($nilai < 1000000) {
        $stemp = penyebut($nilai / 1000) . " Ribu" .
        penyebut($nilai % 1000);
    } else if ($nilai < 1000000000) {
        $stemp = penyebut($nilai / 1000000) . " Juta"
        . penyebut($nilai % 1000000);
    } else if ($nilai < 1000000000000) {
        $stemp = penyebut($nilai / 1000000000) . "
        Miliar" . penyebut($nilai % 1000000000);
    } else if ($nilai < 1000000000000000) {
        $stemp = penyebut($nilai / 1000000000000) .
        " Triliun" . penyebut($nilai % 1000000000000);
    }
    return $stemp;
}

```

```

function terbilang($nilai) {
    if ($nilai < 0) {
        $hasil = "minus " . trim(penyebut($nilai));
    } else {
        $hasil = trim(penyebut($nilai));
    }
    return $hasil;
}

```

```

?><!DOCTYPE html>
<html lang="en">

```

```

<head>
    <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width, initial-scale=1.0">
    <title>Hitung Rencana Anggaran Biaya
(RAB)</title>

```

```

<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.
3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmD
r5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.11.3/font/bootstrap-icons.min.css">
<script
src="https://cdn.jsdelivr.net/npm/chart.js"></scri
pt>
<script>
function toggleDimensions() {
const tipeRumah =
document.getElementById("tipe_rumah").value;
const dimensions =
document.getElementById("dimensions");

if (tipeRumah) {
dimensions.style.display = "block";
} else {
dimensions.style.display = "none";
}
}

function validateDecimalInput(input) {
input.value = input.value.replace(',', '.');

input.value = input.value.replace(/[^0-
9.]/g, "");
input.value =
input.value.replace(/(\.\.)*\./g, '$1');

if (input.value.length > 4) {
input.value = input.value.slice(0, 4);
}
}
</script>
</head>

<body>
<header>
<div class="container">
<div class="row mt-3">
<div class="col-md-12">
<h1 class="text-center">Rencana
Anggaran Biaya (RAB)</h1>
<h4 class="text-
center">Pembangunan Rumah Tinggal</h4>
</div>
</div>
</div>
<hr class="border border-dark border-2
opacity-50 mb-0">
<div class="container-fluid"
style="background-color: #E2E3E5; height:
54px;"></div>
<hr class="border border-dark border-2
opacity-50 mt-0">
</header>
<div class="container-fluid">

```

```

<div class="row my-5">
<div class="offset-md-3 col-md-6">
<div class="card">
<h5 class="card-title text-center mt-
2">Pilih Tipe Rumah:</h5>
<div class="card-body">
<form method="post">
<select name="tipe_rumah"
id="tipe_rumah" class="form-select form-select-
lg mb-3" aria-label="Large select example"
onchange="toggleDimensions()" required>
<option value="">-- Pilih
Tipe Rumah --</option>
<?php
$sqltipe = "SELECT *
FROM tb_tipe";
$stmttipe = $conn-
>prepare($sqltipe);
$stmttipe->execute();
while($row = $stmttipe-
>fetch(PDO::FETCH_ASSOC)){
?>
<option value="<?=$
$row["IdTipe"] ?">" <?php if
(isset($_POST['tipe_rumah']) &&
$_POST['tipe_rumah'] == $row["IdTipe"]) echo
'selected'; ?>>
Tipe <?=$row["Tipe"] ?>
</option>
<?php
}
?>
</select>
<div id="dimensions"
style="display: <?php echo
isset($_POST['tipe_rumah']) ? 'block' : 'none';
?>";>
<div class="mb-3">
<label for="panjang"
class="form-label">Panjang (P)</label>
<input type="text"
id="panjang" name="panjang" class="form-
control" placeholder="Masukkan Panjang
Rumah" required value="<?=$
isset($_POST['panjang']) ? $_POST['panjang'] : "
?>" oninput="validateDecimalInput(this)">
</div>
<div class="mb-3">
<label for="lebar"
class="form-label">Lebar (L)</label>
<input type="text"
id="lebar" name="lebar" class="form-control"
placeholder="Masukkan Lebar Rumah" required
value="<?=$ isset($_POST['lebar']) ?
$_POST['lebar'] : " ?>"
oninput="validateDecimalInput(this)">
</div>
</div>
<div class="text-center">
<button type="submit"
name="hitung" class="btn btn-dark btn-sm"><i
class="bi bi-calculator"></i> Hitung</button>
<?php

```

```

        if
($ _SERVER['REQUEST_METHOD'] == 'POST'
&& isset($_POST['tipe_rumah'])) {
        ?>
        <a href="<? = BASE_URL
?>" type="button" class="btn btn-danger btn-
sm"><i class="bi bi-arrow-repeat"></i>
Reset</a>

        <?php
        }
        ?>
        </div>
        </form>
        </div>
        </div>
        </div>
        <?php
        if ($ _SERVER['REQUEST_METHOD']
== 'POST' && isset($_POST['tipe_rumah'])) {
            // $tipe_rumah =
$_POST['tipe_rumah'];
            // $sqltipe = "SELECT * FROM tb_tipe
WHERE IdTipe=?";
            // $stmttipe = $conn-
>prepare($sqltipe);
            // $stmttipe->execute([$tipe_rumah]);
            // while($row = $stmttipe->fetch()){
            //     $nmmtipe = $row["Tipe"];
            // }

            // $sql_uraiian = "SELECT IdUraian,
NamaUraian FROM tb_uraiian";
            // $stmt_uraiian = $conn-
>prepare($sql_uraiian);
            // $stmt_uraiian->execute();
            // $result_uraiian = $stmt_uraiian-
>fetchAll(PDO::FETCH_ASSOC);

            $tipe_rumah = $_POST['tipe_rumah'];
            $panjang = (float)$_POST['panjang'];
            $lebar = (float)$_POST['lebar'];

            $sqltipe = "SELECT * FROM tb_tipe
WHERE IdTipe=?";
            $stmttipe = $conn->prepare($sqltipe);
            $stmttipe->execute([$tipe_rumah]);

            if ($row = $stmttipe->fetch()) {
                $nmmtipe = $row["Tipe"];
                $maksimalLuas = (int)$row["Tipe"];
                $minimalLuas = (int)$row["Tipe"];
            } else {
                echo '<div class="offset-md-3 col-
md-6 mt-3 text-center">
                <div class="alert alert-danger"
role="alert">
                    Tipe rumah tidak ditemukan.
                </div></div>';
                exit;
            }

            $luas = $panjang * $lebar;

```

```

        if ($luas < $minimalLuas) {
            echo '<div class="offset-md-3 col-
md-6 mt-3 text-center">
            <div class="alert alert-danger"
role="alert">
                Luas P x L (' . $luas . ' M²) kurang
dari batas minimal untuk <strong>Tipe Rumah ' .
$nmmtipe . '</strong>' (' . $minimalLuas . ' M²).
            </div></div>';
            exit;
        }

        if ($luas > $maksimalLuas) {
            echo '<div class="offset-md-3 col-
md-6 mt-3 text-center">
            <div class="alert alert-danger"
role="alert">
                Luas P x L (' . $luas . ' M²) lebih
dari batas maksimal untuk <strong>Tipe Rumah ' .
$nmmtipe . '</strong>' (' . $maksimalLuas . ' M²).
            </div></div>';
            exit;
        }

        $sql_uraiian = "SELECT IdUraian,
NamaUraian FROM tb_uraiian";
        $stmt_uraiian = $conn-
>prepare($sql_uraiian);
        $stmt_uraiian->execute();
        $result_uraiian = $stmt_uraiian-
>fetchAll(PDO::FETCH_ASSOC);
        ?>
        <div class="row mt-5">
            <div class="offset-md-1 col-md-
10">
                <div class="card">
                    <h5 class="card-title text-center
mt-2">Rencana Anggaran Biaya Rumah:</h5>
                    <h4 class="card-title text-
center">Tipe <? = $nmmtipe ?><br>Panjang:
                    <strong><? = $panjang ?>
                    Meter</strong><br>Lebar: <strong><? = $lebar
                    ?> Meter</strong></h4>
                    <div class="card-body">
                        <?php
                        if (count($result_uraiian) > 0)
                        {
                            echo "<table class='table
table-bordered">";
                            echo "<tr class='table-
secondary text-center"><th>No.</th><th>Uraian
Pekerjaan</th><th>Volume</th><th>Satuan</th>
<th>Harga Satuan (Rp)</th><th>Jumlah
(Rp)</th></tr>";

                            $total_keseluruhan = 0;
                            $uraian_no = 1;

                            foreach ($result_uraiian as
$row_uraiian) {
                                $id_uraiian =
$row_uraiian['IdUraian'];

```

```

                $nama_uraian =
$row_uraian['NamaUraian'];

                echo "<tr class='table-
secondary'>";

                echo "<td class='text-
center' style='font-weight:
bold;'>$uraian_no.</td>";

                echo "<td colspan='6'
style='font-weight: bold;'>$nama_uraian</td>";
                echo "</tr>";

                $total_per_uraian = 0;
                $sub_uraian_no = 1;

                $sql_sub_uraian =
"SELECT IdTipe, NamaSubUraian, Volume,
Satuan, HargaSatuan FROM tb_sub_uraian
WHERE IdUraian = :id_uraian AND IdTipe =
:tipe_rumah";

                $stmt_sub_uraian =
$conn->prepare($sql_sub_uraian);

                $stmt_sub_uraian-
>execute([':id_uraian'=> $id_uraian, ':tipe_rumah'
=> $tipe_rumah]);

                $result_sub_uraian =
$stmt_sub_uraian-
>fetchAll(PDO::FETCH_ASSOC);

                if
(count($result_sub_uraian) > 0) {
                    foreach
($result_sub_uraian as $row_sub_uraian) {
                        $nama_sub_uraian
= $row_sub_uraian['NamaSubUraian'];
                        $volume =
$row_sub_uraian['Volume'];
                        $satuan =
$row_sub_uraian['Satuan'];
                        $harga_satuan =
$row_sub_uraian['HargaSatuan'];
                        $jumlah = $volume
* $harga_satuan;

                        $total_per_uraian
+= $jumlah;

                        $total_keseluruhan
+= $jumlah;

                        echo "<tr>";
                        echo "<td></td>";
                        echo
"<td>$sub_uraian_no. $nama_sub_uraian</td>";
                        echo "<td
class='text-center'>$volume</td>";
                        echo "<td
class='text-center'>$satuan</td>";
                        echo "<td
class='text-end'>" .
number_format($harga_satuan, 2, ',', '.') . "</td>";
                        echo "<td
class='text-end'>" . number_format($jumlah, 2,
',', '.') . "</td>";

```

```

                echo "</tr>";

                $sub_uraian_no++;
            }

            echo "<tr>";
            echo "<td></td>";
            echo "<td colspan='4'
class='text-end' style='font-weight: bold;'>Total
$nama_uraian (Rp)</td>";
            echo "<td class='text-
end' style='font-weight: bold;'>" .
number_format($total_per_uraian, 2, ',', '.') .
"</td>";

            echo "</tr>";

        } else {
            echo "<tr><td
colspan='7'>Tidak ada data sub uraian untuk tipe
rumah ini</td></tr>";
        }

        $uraian_no++;
    }

    echo "<tr>";
    echo "<td colspan='5'
class='text-end' style='font-weight: bold;'>Total
Keseluruhan (Rp)</td>";
    echo "<td class='text-end'
style='font-weight: bold;'>" .
number_format($total_keseluruhan, 2, ',', '.') .
"</td>";

    echo "</tr>";

    echo "</table>";
} else {
    echo "Tidak ada data
uraian pekerjaan";
}
?>
</div>
<div class="card-body">
    <?php
        if (count($result_uraian) > 0)
        {
            echo "<table class='table
table-bordered'>";
            echo "<tr class='table-
secondary text-center'><th>No.</th><th>Uraian
Pekerjaan</th><th>Jumlah Harga
(Rp)</th><th>Bobot (%)</th></tr>";

            $total_keseluruhan = 0;
            $uraian_no = 1;
            $total_bobot = 0;

            foreach ($result_uraian as
$row_uraian) {
                $id_uraian =
$row_uraian['IdUraian'];

```

```

                $sql_sub_uraiian =
"SELECT SUM(Volume * HargaSatuan) as
TotalHarga FROM tb_sub_uraiian WHERE
IdUraian = :id_uraiian AND IdTipe =
:tipe_rumah";

                $stmt_sub_uraiian =
$conn->prepare($sql_sub_uraiian);
                $stmt_sub_uraiian-
>execute(['id_uraiian' => $id_uraiian, 'tipe_rumah'
=> $tipe_rumah]);

                $row_sub_uraiian =
$stmt_sub_uraiian-
>fetch(PDO::FETCH_ASSOC);
                $total_harga =
$row_sub_uraiian['TotalHarga'];

                $total_keseluruhan +=
$total_harga;
            }

            foreach ($result_uraiian as
$row_uraiian) {
                $id_uraiian =
$row_uraiian['IdUraian'];
                $nama_uraiian =
$row_uraiian['NamaUraian'];

                $sql_sub_uraiian =
"SELECT SUM(Volume * HargaSatuan) as
TotalHarga FROM tb_sub_uraiian WHERE
IdUraian = :id_uraiian AND IdTipe =
:tipe_rumah";

                $stmt_sub_uraiian =
$conn->prepare($sql_sub_uraiian);
                $stmt_sub_uraiian-
>execute(['id_uraiian' => $id_uraiian, 'tipe_rumah'
=> $tipe_rumah]);

                $row_sub_uraiian =
$stmt_sub_uraiian-
>fetch(PDO::FETCH_ASSOC);
                $total_harga =
$row_sub_uraiian['TotalHarga'];

                $bobot = ($total_harga /
$total_keseluruhan) * 100;

                echo "<tr>";
                echo "<td class='text-
center'>$uraian_no.</td>";
                echo
"<td>$nama_uraiian</td>";
                echo "<td class='text-
end'>" . number_format($total_harga, 2, ',', '.') .
"</td>";
                echo "<td class='text-
center'>" . number_format($bobot, 2, ',', '.') .
"</td>";
                echo "</tr>";

                $uraian_no++;

                $total_bobot += $bobot;
            }

```

```

                echo "<tr>";
                echo "<td colspan='2'
class='text-end' style='font-weight: bold;'>Jumlah
Total Harga Pekerjaan (Rp)</td>";
                echo "<td class='text-end'
style='font-weight: bold;'>" .
number_format($total_keseluruhan, 2, ',', '.') .
"</td>";
                echo "<td></td>";
                echo "</tr>";

                $pembulatan =
ceil($total_keseluruhan / 100000) * 100000;

                echo "<tr>";
                echo "<td colspan='2'
class='text-end' style='font-weight:
bold;'>Dibulatkan (Rp)</td>";
                echo "<td class='text-end'
style='font-weight: bold;'>" .
number_format($pembulatan, 2, ',', '.') . "</td>";
                echo "<td></td>";
                echo "</tr>";

                echo "<tr>";
                echo "<td class='text-
center'>Terbilang:</td>";
                echo "<td colspan='2'
class='text-center' style='font-weight: bold; font-
style: italic;'>(" . terbilang($pembulatan) . "
Rupiah)</td>";
                echo "<td></td>";
                echo "</tr>";

                echo "<tr>";
                echo "<td colspan='3'
class='text-end' style='font-weight: bold;'>Jumlah
Bobot</td>";
                echo "<td class='text-
center' style='font-weight: bold;'>" .
number_format($total_bobot, 2, ',', '.') . "</td>";
                echo "</tr>";

                echo "</table>";
            } else {
                echo "Tidak ada data
uraian pekerjaan";
            }
            echo'
<hr class="border border-
dark border-2 opacity-50">
<div class="row">
    <div class="col-md-12">
        <h4 class="text-
center">Grafik Jumlah Harga (Rp)</h4>
        <canvas
id="chartHarga"></canvas>
    </div>
</div>
<hr class="border border-
dark border-2 opacity-50">
<div class="row">

```

```

        <div class="col-md-12">
            <h4 class="text-
center">Grafik Bobot (%)</h4>
            <canvas
id="chartBobot"></canvas>
        </div>
        <hr class="border border-
dark border-2 opacity-50">;

        $labels = [];
        $dataHarga = [];
        $dataBobot = [];

        foreach ($result_uraian as
$row_uraian) {
            $id_uraian =
$row_uraian['IdUraian'];
            $nama_uraian =
$row_uraian['NamaUraian'];

            $sql_sub_uraian =
"SELECT SUM(Volume * HargaSatuan) as
TotalHarga FROM tb_sub_uraian WHERE
IdUraian = :id_uraian AND IdTipe =
:tipe_rumah";
            $stmt_sub_uraian = $conn-
>prepare($sql_sub_uraian);
            $stmt_sub_uraian-
>execute(['id_uraian' => $id_uraian, 'tipe_rumah'
=> $tipe_rumah]);
            $row_sub_uraian =
$stmt_sub_uraian-
>fetch(PDO::FETCH_ASSOC);
            $total_harga =
$row_sub_uraian['TotalHarga'];

            $bobot = ($total_harga /
$total_keseluruhan) * 100;

            $labels[] = $nama_uraian;
            $dataHarga[] =
$total_harga;
            $dataBobot[] = $bobot;
        }

        $labels_json =
json_encode($labels);
        $dataHarga_json =
json_encode($dataHarga);
        $dataBobot_json =
json_encode($dataBobot);
        ?>

        <script>
            const ctxHarga =
document.getElementById('chartHarga').getCont
ext('2d');
            const chartHarga = new
Chart(ctxHarga, {
                type: 'bar',
                data: {

```

```

                    labels: <?=
$labels_json; ?>,
                    datasets: [{
                        label: 'Jumlah
Harga (Rp)',
                        data: <?=
$dataHarga_json; ?>,
                        backgroundColor:
'rgba(75, 192, 192, 0.6)',
                        borderColor:
'rgba(75, 192, 192, 1)',
                        borderWidth: 1
                    }
                ],
                options: {
                    scales: {
                        y: {
                            beginAtZero:
true
                        }
                    }
                }
            });

            const ctxBobot =
document.getElementById('chartBobot').getCont
ext('2d');
            const chartBobot = new
Chart(ctxBobot, {
                type: 'bar',
                data: {
                    labels: <?=
$labels_json; ?>,
                    datasets: [{
                        label: 'Bobot (%)',
                        data: <?=
$dataBobot_json; ?>,
                        backgroundColor:
'rgba(255, 99, 132, 0.6)',
                        borderColor:
'rgba(255, 99, 132, 1)',
                        borderWidth: 1
                    }
                ],
                options: {
                    scales: {
                        y: {
                            beginAtZero:
true
                        }
                    }
                }
            });
        </script>
    </div>
</div>
</div>
<?php
}
?>
</div>
</div>

```

```

        <footer class="footer text-center mt-auto py-3
bg-dark">
        <div class="container">
            <span class="text-white">Copyright ©
2024. RAB (Rencana Anggaran Biaya)</span>
        </div>
        </footer>

        <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.
3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3IHB60NNkmXc5s9fDVZLESaAA5
5NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous">
        </script>
    </body>

</html>

```

3. Data.php

```

<?php

require_once 'koneksi.php';

class Data extends Database {

    public function readTipe() {
        $data = [];
        try {
            $stmt = $this->conn-
            >prepare("SELECT * FROM
tb_tipe");
            $stmt->execute();
            $data = $stmt-
            >fetchAll(PDO::FETCH_ASSOC);
            return $data;
        } catch(PDOException $e) {
            return $data;
        }
    }

    public function readTipeId($id) {
        $data = [];
        try {
            $stmt = $this->conn-
            >prepare("SELECT * FROM tb_tipe
WHERE IdTipe=:IdTipe");
            $stmt->bindParam(':IdTipe', $id);
            $stmt->execute();
            $data = $stmt-
            >fetchAll(PDO::FETCH_ASSOC);
            return $data;
        } catch(PDOException $e) {
            return $data;
        }
    }
}

//=====
=====
=====

```

```

=====
=====//

public function
insertUraian($namauraian) {
    try {
        $stmt = $this->conn-
        >prepare("INSERT INTO tb_uraian
(NamaUraian) VALUES
(:NamaUraian)");
        $stmt->bindParam(':NamaUraian',
$namauraian);
        $stmt->execute();
        return true;
    } catch(PDOException $e) {
        return false;
    }
}

public function readUraian() {
    $data = [];
    try {
        $stmt = $this->conn-
        >prepare("SELECT * FROM
tb_uraian");
        $stmt->execute();
        $data = $stmt-
        >fetchAll(PDO::FETCH_ASSOC);
        return $data;
    } catch(PDOException $e) {
        return $data;
    }
}

public function readUraianId($id) {
    $data = [];
    try {
        $stmt = $this->conn-
        >prepare("SELECT * FROM
tb_uraian WHERE
IdUraian=:IdUraian");
        $stmt->bindParam(':IdUraian', $id);
        $stmt->execute();
        $data = $stmt-
        >fetchAll(PDO::FETCH_ASSOC);
        return $data;
    } catch(PDOException $e) {
        return $data;
    }
}

public function updateUraian($id,
$namauraian) {
    try {
        $stmt = $this->conn-
        >prepare("UPDATE tb_uraian SET
NamaUraian=:NamaUraian WHERE
IdUraian=:IdUraian");
        $stmt->bindParam(':IdUraian', $id);
        $stmt->bindParam(':NamaUraian',
$namauraian);
        $stmt->execute();
        return true;
    } catch(PDOException $e) {

```

```

        return false;
    }
}

public function deleteUraian($id) {
    try {
        $stmt = $this->conn-
        >prepare("DELETE FROM tb_uraian
        WHERE IdUraian=:IdUraian");
        $stmt->bindParam(':IdUraian', $id);
        $stmt->execute();
        return true;
    } catch(PDOException $e) {
        return false;
    }
}

//=====
//=====
//=====
//=====//

```

```

public function insertSubUraian($idtype,
    $siduraian, $suburaian, $volume,
    $satuan, $hargasatuan) {
    try {
        $stmt = $this->conn-
        >prepare("INSERT INTO
        tb_sub_uraian (IdTipe, IdUraian,
        NamaSubUraian, Volume, Satuan,
        HargaSatuan) VALUES (:IdTipe,
        :IdUraian, :NamaSubUraian,
        :Volume, :Satuan, :HargaSatuan)");
        $stmt->bindParam(':IdTipe',
        $idtype);
        $stmt->bindParam(':IdUraian',
        $siduraian);
        $stmt-
        >bindParam(':NamaSubUraian',
        $suburaian);
        $stmt->bindParam(':Volume',
        $volume);
        $stmt->bindParam(':Satuan',
        $satuan);
        $stmt->bindParam(':HargaSatuan',
        $hargasatuan);
        $stmt->execute();
        return true;
    } catch(PDOException $e) {
        return false;
    }
}

```

```

public function readSubUraian($id) {
    $data = [];
    try {
        $stmt = $this->conn-
        >prepare("SELECT * FROM
        tb_sub_uraian JOIN tb_uraian ON
        tb_sub_uraian.IdUraian=tb_uraian.Id
        Uraian WHERE IdTipe=:IdTipe");
        $stmt->bindParam(':IdTipe', $id);
    }
}

```

```

        $stmt->execute();
        $data = $stmt-
        >fetchAll(PDO::FETCH_ASSOC);
        return $data;
    } catch(PDOException $e) {
        return $data;
    }
}

```

```

public function readSubUraianId($id) {
    $data = [];
    try {
        $stmt = $this->conn-
        >prepare("SELECT * FROM
        tb_sub_uraian WHERE
        IdSubUraian=:IdSubUraian");
        $stmt->bindParam(':IdSubUraian',
        $id);
        $stmt->execute();
        $data = $stmt-
        >fetchAll(PDO::FETCH_ASSOC);
        return $data;
    } catch(PDOException $e) {
        return $data;
    }
}

```

```

public function updateSubUraian($id,
    $idtype, $siduraian, $suburaian,
    $volume, $satuan, $hargasatuan) {
    try {
        $stmt = $this->conn-
        >prepare("UPDATE tb_sub_uraian
        SET IdTipe=:IdTipe,
        IdUraian=:IdUraian,
        NamaSubUraian=:NamaSubUraian,
        Volume=:Volume, Satuan=:Satuan,
        HargaSatuan=:HargaSatuan WHERE
        IdSubUraian=:IdSubUraian");
        $stmt->bindParam(':IdSubUraian',
        $id);
        $stmt->bindParam(':IdTipe',
        $idtype);
        $stmt->bindParam(':IdUraian',
        $siduraian);
        $stmt-
        >bindParam(':NamaSubUraian',
        $suburaian);
        $stmt->bindParam(':Volume',
        $volume);
        $stmt->bindParam(':Satuan',
        $satuan);
        $stmt->bindParam(':HargaSatuan',
        $hargasatuan);
        $stmt->execute();
        return true;
    } catch(PDOException $e) {
        return false;
    }
}

```

```

public function deleteSubUraian($id) {
    try {

```

```

        $stmt = $this->conn-
        >prepare("DELETE FROM
        tb_sub_uraian WHERE
        IdSubUraian=:IdSubUraian");
        $stmt->bindParam(':IdSubUraian',
        $id);
        $stmt->execute();
        return true;
    } catch(PDOException $e) {
        return false;
    }
}
}
}

```

4. Koneksi.php

```
<?php
```

```

class Database {

    private $host = "localhost";
    private $username = "root";
    private $password = "";
    private $database = "db_rab_rumah";
    protected $conn;

    public function __construct() {
        try {
            $this->conn = new PDO("mysql:host=$this-
            >host;dbname=$this->database", $this->username,
            $this->password);
            $this->conn-
            >setAttribute(PDO::ATTR_ERRMODE,
            PDO::ERRMODE_EXCEPTION);
        } catch(PDOException $e) {
            die("Koneksi ke database gagal: " . $e-
            >getMessage());
        }
    }

    public function getConnection() {
        return $this->conn;
    }
}

```

5. Login.php

```

<?php
session_start();
define('BASE_URL',
(isset($_SERVER['HTTPS']) &&
$_SERVER['HTTPS'] === 'on' ? "https://" :
"http://") . $_SERVER['HTTP_HOST'] .
"/rab/atur/");

function textBinASCII($text){
    $bin = array();
    for($i=0; strlen($text)>$i; $i++)
        $bin[] = decbin(ord($text[$i]));
    return implode(' ', $bin);
}

function ASCIIBinText($bin){
    $text = array();
    $bin = explode(" ", $bin);

```

```

    for($i=0; count($bin)>$i; $i++)
        $text[] = chr(bindec($bin[$i]));
    return implode($text);
}

```

```
if(isset($_POST['login'])){
```

```

    $user = filter_input(INPUT_POST, 'username',
    FILTER_SANITIZE_SPECIAL_CHARS) ?? "";
    $pass = filter_input(INPUT_POST, 'password',
    FILTER_SANITIZE_SPECIAL_CHARS) ?? "";
    $usernya = textBinASCII($user);
    $passnya = textBinASCII($pass);

```

```

    if(ASCIIBinText($usernya) ==
    "rabrumahtinggal" &&
    ASCIIBinText($passnya) == "SemangatSkripsi"){
        $_SESSION['namanya'] = "Admin RAB
        Rumah Tinggal";
        echo '<script
        language="javascript">document.location="'.BA
        SE_URL.'.uraian';</script>';
    }
}

```

```

?><!DOCTYPE html>
<html lang="en">

```

```

<head>
    <meta charset="UTF-8">
    <meta name="viewport"
    content="width=device-width, initial-scale=1.0">
    <title>Rencana Anggaran Biaya (RAB)</title>
    <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.
    3/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-
    QWTKZyjpPEjLSv5WaRU9OFeRpok6YctnYmD
    r5pNlyT2bRjXh0JMhY6hW+ALEwIH"
    crossorigin="anonymous">
    <link rel="stylesheet"
    href="https://cdn.jsdelivr.net/npm/bootstrap-
    icons@1.11.3/font/bootstrap-icons.min.css">
</head>

```

```

<body>
    <header>
        <div class="container">
            <div class="row mt-3">
                <div class="col-md-12">
                    <h1 class="text-center">Rencana
                    Anggaran Biaya (RAB)</h1>
                    <h4 class="text-
                    center">Pembangunan Rumah Tinggal</h4>
                </div>
            </div>
            <hr class="border border-dark border-2
            opacity-50 mb-0">
            <div class="container-fluid"
            style="background-color: #E2E3E5; height:
            54px;"></div>

```



```

echo '
<h2 class="text-center">Data Uraian</h2>
<div class="row my-5">
  <div class="offset-md-3 col-md-6">
    <div class="card">
      <h5 class="card-title text-center mt-2">Form Uraian</h5>
      <div class="card-body">
        $idpost = "";
        $iduraian = "";
        $namauraian = "";
        if (isset($_GET['kode'])) {
          $datacekupdate = $data-
>readUraianId($_GET['kode']);
          foreach ($datacekupdate as $row) {
            $iduraian = $row["IdUraian"];
            $namauraian = $row["NamaUraian"];
          }
          $idpost = '<input type="hidden"
name="idnya" value="'.$iduraian.'">';
          $btn = '<button type="submit"
name="update" class="btn btn-dark btn-sm"><i
class="bi bi-check2"></i> Ubah</button> | <a
href="'.BASE_URL.'uraian" type="button" class="btn
btn-danger btn-sm"><i class="bi bi-x-lg"></i>
Batal</a>';
        } else {
          $btn = '<button type="submit"
name="create" class="btn btn-dark btn-sm"><i
class="bi bi-check2"></i> Simpan</button>';
        }
      </div>
    </div>
    <form method="post">
      <div class="mb-3">
        <label for="namauraian">
class="form-label">Nama Uraian</label>
        '. $idpost.'
        <input type="text" class="form-
control" name="namauraian" value="'.$namauraian.'"
id="namauraian" required placeholder="Masukkan
Nama Uraian">
      </div>
      '. $btn.'
    </form>
  </div>
</div>
</div>
</div>
<div class="row my-5">
  <div class="col-md-12">
    <div class="card">
      <h5 class="card-title text-center mt-2">Tabel Uraian</h5>
      <div class="card-body">
        <table class="table">
          <thead class="table-secondary text-
center">
            <tr>
              <th scope="col">No.</th>
              <th scope="col">Nama
Uraian</th>
            <tr>
              <th scope="col">#</th>
            </tr>

```

```

</thead>
<tbody>';
$datauraian = $data->readUraian();
if (!empty($datauraian)) {
  $no = 1;
  $selectid = isset($_GET['kode']) ?
$_GET['kode'] : null;
  foreach ($datauraian as $row) {
    $subahbg = ($selectid ==
$row["IdUraian"]) ? 'table-warning' : '';
    echo'
    <tr class="'.$subahbg.'">
      <th scope="row" class="text-
center">'. $no.'.</th>
      <td>'. $row["NamaUraian"].'</td>
    </tr>
    <td class="text-center">
      <div class="btn-group"
role="group" aria-label="Basic outlined example">
        <a type="button"
class="btn btn-outline-primary btn-sm"
href="'.BASE_URL.'uraian/'.$row["IdUraian"].'"><i
class="bi bi-pencil-square"></i> Ubah</a>
        <form method="post"
onclick="return confirm('\Hapus Data Uraian dengan
Kode = ('.$row["IdUraian"].') ?\')">
          <input type="hidden"
name="idnya" value="'.$row["IdUraian"].'">
          <button type="submit"
name="delete" class="btn btn-outline-danger btn-sm"
style="border-top-left-radius: 0;border-bottom-left-
radius: 0;"><i class="bi bi-trash"></i> Hapus</button>
        </form>
      </div>
    </td>
  </tr>';
  $no++;
}
}
echo '
</tbody>
</table>
</div>
</div>
</div>
</div>
';
}

function suburaian() {
  $data = new Data();

  echo'
  <div class="row my-3">
    <ul class="nav nav-pills justify-content-
center">';
  $datatipe = $data->readTipe();
  if (!empty($datatipe)) {
    $mod = isset($_GET['kode']) ?
$_GET['kode'] : '';
    foreach ($datatipe as $row) {
      $subur = '';

```

```

        $current = "";
        switch ($mod) {
            case $row["IdTipe"]:
                $subur = 'active';
                $current = 'aria-current="page"';
                break;
        }
        echo '
        <li class="nav-item">
            <a class="nav-link text-
uppercase'. $subur. '"'. $current. '
href="'. $BASE_URL. 'sub-
uraian/'. $row["IdTipe"]. '">Tipe '. $row["Tipe"]. '</a>
        </li>';
    }
}
echo'
</ul>
</div>';
$mod = isset($_GET['kode']) ? $_GET['kode'] : "";
switch ($mod) {
    case $_GET["kode"]:
        suburaiantipe($_GET["kode"]);
        break;
}
}

```

```
function suburaiantipe($id){
```

```

    $data = new Data();

    $datatipe = $data->readTipeId($id);
    if (!empty($datatipe)) {
        foreach ($datatipe as $row) {
            $tipe = $row["Tipe"];
        }
    }

    if ($_SERVER['REQUEST_METHOD'] == 'POST')
    {
        if (isset($_POST['create'])) {
            $idtype = $_POST['idtype'];
            $iduraian = $_POST['iduraian'];
            $namasuburaian = $_POST['namasuburaian'];
            $volume = $_POST['volume'];
            $satuan = $_POST['satuan'];
            $hargasatuan = $_POST['hargasatuan'];
            if ($data->insertSubUraian($idtype, $iduraian,
$namasuburaian, $volume, $satuan, $hargasatuan)) {
                echo '<script>alert('Data telah
ditambahkan');location.href="'. $BASE_URL. 'sub-
uraian/'. $id. '"</script>';
            } else {
                echo '<script>alert('Gagal menambahkan
data');location.href="'. $BASE_URL. 'sub-
uraian/'. $id. '"</script>';
            }
        } elseif (isset($_POST['update'])) {
            $idnya = $_POST['idnya'];
            $idtype = $_POST['idtype'];
            $iduraian = $_POST['iduraian'];
            $namasuburaian = $_POST['namasuburaian'];
            $volume = $_POST['volume'];

```

```

        $satuan = $_POST['satuan'];
        $hargasatuan = $_POST['hargasatuan'];
        if ($data->updateSubUraian($idnya, $idtype,
$iduraian, $namasuburaian, $volume, $satuan,
$hargasatuan)) {
            echo '<script>alert('Data telah
diperbarui');location.href="'. $BASE_URL. 'sub-
uraian/'. $id. '"</script>';
        } else {
            echo '<script>alert('Gagal memperbarui
data');location.href="'. $BASE_URL. 'sub-
uraian/'. $id. '"</script>';
        }
    } elseif (isset($_POST['delete'])) {
        $idnya = $_POST['idnya'];
        if ($data->deleteSubUraian($idnya)) {
            echo '<script>alert('Data telah
dihapus');location.href="'. $BASE_URL. 'sub-
uraian/'. $id. '"</script>';
        } else {
            echo '<script>alert('Gagal menghapus
data');location.href="'. $BASE_URL. 'sub-
uraian/'. $id. '"</script>';
        }
    }
}

```

```

        echo'
        <h3 class="text-center text-uppercase">Tipe
'. $tipe. '</h3>
        <div class="row mt-4">
            <div class="offset-md-3 col-md-6">
                <div class="card">
                    <h5 class="card-title text-center mt-
2">Form Sub Uraian</h5>
                    <div class="card-body">';
                        $idpost = "";
                        $idsuburaian = "";
                        $iduraian = "";
                        $namasuburaian = "";
                        $volume = "";
                        $satuan = "";
                        $hargasatuan = "";
                        if (isset($_GET["unik"])) {
                            $datacekupdate = $data-
>readSubUraianId($_GET["unik"]);
                            foreach ($datacekupdate as $row) {
                                $idsuburaian = $row["IdSubUraian"];
                                $iduraian = $row["IdUraian"];
                                $namasuburaian =
$row["NamaSubUraian"];
                                $volume = $row["Volume"];
                                $satuan = $row["Satuan"];
                                $hargasatuan = $row["HargaSatuan"];
                            }
                            $idpost = '<input type="hidden"
name="idnya" value="'. $idsuburaian. '">';
                            $btn = '<button type="submit"
name="update" class="btn btn-dark btn-sm"><i
class="bi bi-check2"></i> Ubah</button> | <a
href="'. $BASE_URL. 'sub-uraian/'. $id. '" type="button"
class="btn btn-danger btn-sm"><i class="bi bi-x-
lg"></i> Batal</a>';

```

```

    } else {
        $btn = '<button type="submit"
name="create" class="btn btn-dark btn-sm"><i
class="bi bi-check2"></i> Simpan</button>';
    }
    echo '
<form method="post">
<div class="mb-3">
<label for="iduraian" class="form-
label">Nama Uraian</label>
'. $idpost.'
<input type="hidden"
name="idtype" value="'. $id.'">
<select name="iduraian"
class="form-control" id="iduraian" required>
<option value="">-- Pilih Uraian
--</option>';
        $datauraian = $data-
>readUraian();
        if (!empty($datauraian)) {
            foreach ($datauraian as $row)
            {
                if ($iduraian ==
$row["IdUraian"]){
                    echo'
<option
value="'. $row["IdUraian"].'"
selected="selected">'. $row["NamaUraian"].'<
/option>';
                } else {
                    echo'
<option
value="'. $row["IdUraian"].'">'. $row["NamaUraian"].'<
/option>';
                }
            }
        }
        echo'
</select>
</div>
<div class="mb-3">
<label for="namasuburaian"
class="form-label">Nama Sub Uraian</label>
<input type="text" class="form-
control" value="'. $namasuburaian.'"
name="namasuburaian" id="namasuburaian" required
placeholder="Masukkan Nama Sub Uraian">
</div>
<div class="mb-3">
<label for="volume" class="form-
label">Volume</label>
<input type="text" class="form-
control" value="'. $volume.'" name="volume"
oninput="formatNumber(this)" id="volume" required
placeholder="Masukkan Volume">
</div>
<div class="mb-3">
<label for="satuan" class="form-
label">Satuan</label>
<select name="satuan"
class="form-control" id="satuan" required>
<option value="">-- Pilih Satuan
--</option>

```

```

<option value="Bh"; if($satuan
== "Bh")echo' selected="selected";echo>Bh
(Buah)</option>
<option value="Kg"; if($satuan
== "Kg")echo' selected="selected";echo>Kg
(Kilogram)</option>
<option value="Ls"; if($satuan
== "Ls")echo' selected="selected";echo>Ls
(Lumpsum)</option>
<option value="M"; if($satuan
== "M")echo' selected="selected";echo>M</option>
<option value="M²"; if($satuan
== "M²")echo' selected="selected";echo>M²</option>
<option value="M³"; if($satuan
== "M³")echo' selected="selected";echo>M³</option>
</select>
</div>
<div class="mb-3">
<label for="hargasatuan"
class="form-label">Harga Satuan</label>
<input type="text" class="form-
control" value="'. $hargasatuan.'" name="hargasatuan"
oninput="formatNumber(this)" id="hargasatuan"
required placeholder="Masukkan Harga Satuan">
</div>
'. $btn.'
</form>
</div>
</div>
</div>
<div class="row my-5">
<div class="col-md-12">
<div class="card">
<h5 class="card-title text-center mt-
2">Tabel Sub Uraian</h5>
<div class="card-body">
<table class="table">
<thead class="table-secondary text-
center">
<tr>
<th scope="col">No.</th>
<th scope="col">Uraian</th>
<th scope="col">Sub
Uraian</th>
<th scope="col">Volume</th>
<th scope="col">Satuan</th>
<th scope="col">Harga Satuan
(Rp)</th>
<th scope="col">#</th>
</tr>
</thead>
<tbody>';
        $datasuburaian = $data-
>readSubUraian($id);
        if (!empty($datasuburaian)) {
            $no = 1;
            $selectid = isset($_GET['unik']) ?
$_GET['unik'] : null;
            foreach ($datasuburaian as $row) {
                $subahbg = ($selectid ==
$row["IdSubUraian"]) ? 'table-warning' : '';
                echo'

```

```

                <tr class="" $ubahbg."">
                    <th scope="row">'. $no.'.</th>
                    <td>'. $row["NamaUraian"].'</td>
                >
                    <td>'. $row["NamaSubUraian"].'
                </td>
                    <td class="text-center">'. $row["Volume"].'</td>
                    <td class="text-center">'. $row["Satuan"].'</td>
                    <td class="text-end">'. number_format($row["HargaSatuan"],2).'</td>
                    <td class="text-end">
                        <div class="btn-group"
                            role="group" aria-label="Basic outlined example">
                                <a type="button"
                                    class="btn btn-outline-primary btn-sm"
                                    href="" $BASE_URL.'sub-uraian/'. $id.'/'. $row["IdSubUraian"].'"><i class="bi bi-pencil-square"></i> Ubah</a>
                                    <form method="post"
                                        onclick="return confirm('\Hapus Data Sub Uraian dengan Kode = ('. $row["IdSubUraian"].') ?\')">
                                            <input type="hidden"
                                                name="idnya" value="" $row["IdSubUraian"].'">
                                            <button type="submit"
                                                name="delete" class="btn btn-outline-danger btn-sm"
                                                style="border-top-left-radius: 0;border-bottom-left-radius: 0;"><i class="bi bi-trash"></i> Hapus</button>
                                        </form>
                                    </div>
                                </td>
                            </tr>';
                            $no++;
                        }
                    } else {
                        echo'
                    <tr>
                        <th colspan="7" class="text-center">Data Belum Ada.</th>
                    </tr>';
                }
            }
            echo'
        </tbody>
    </table>
</div>
</div>
</div>
</div>';
}

function keluar(){
    session_destroy();
    unset($_SESSION['namanya']);
    echo '
<script
language="javascript">document.location="" $BASE_URL.'masuk";</script>';
}

session_start();
if (!isset($_SESSION['namanya'])){

```

```

        ?><script
language="javascript">document.location=""<?=$BASE_URL; ?>masuk";</script><?php
    } else {
        $namanya = $_SESSION['namanya'];
        require_once 'data.php';

    ?><!DOCTYPE html>
    <html lang="en">

    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Rencana Anggaran Biaya (RAB)</title>
        <link
            href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
            integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
            crossorigin="anonymous">
        <link rel="stylesheet"
            href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-icons.min.css">
        <style>
            .navbar {
                padding: 0;
            }

            .navbar .navbar-nav .nav-item .nav-link {
                margin: 0;
                padding-left: 10px;
                padding-right: 10px;
                padding-top: 15px;
                padding-bottom: 15px;
            }

            .navbar .navbar-nav .nav-item .nav-link:hover {
                text-decoration: underline;
            }

            .navbar .navbar-nav .nav-item .nav-link.active {
                background-color: #000;
                color: #fff;
            }

            .nav .nav-item .nav-link {
                color: #000;
            }

            .nav .nav-item .nav-link:hover {
                color: #5a5a5a;
                text-decoration: underline;
            }

            .nav .nav-item .nav-link.active {
                background-color: #000;
                color: #fff;
            }
        </style>
    </head>

```

```

<body>
  <header>
    <div class="container">
      <div class="row mt-3">
        <div class="col-md-12">
          <h1 class="text-center">Rencana
Anggaran Biaya (RAB)</h1>
          <h4 class="text-center">Pembangunan
Rumah Tinggal</h4>
        </div>
      </div>
    </div>
    <hr class="border border-dark border-2 opacity-50
mb-0">
    <nav class="navbar navbar-expand-lg"
style="background-color: #E2E3E5;">
      <div class="container">
        <button class="navbar-toggler"
type="button" data-bs-toggle="collapse" data-bs-
target="#navbarNav"
aria-controls="navbarNav" aria-
expanded="false" aria-label="Toggle navigation">
          <span class="navbar-toggler-
icon"></span>
        </button>
        <div class="collapse navbar-collapse"
id="navbarNav">
          <?php
$navuraian = "";
$navsuburaian = "";
$mod = isset($_GET['admrab']) ?
$_GET['admrab'] : "";
switch ($mod){
  case "uraian": $navuraian=' active';
break;
  case "sub-uraian": $navsuburaian='
active'; break;
}
?>
          <ul class="navbar-nav">
            <li class="nav-item">
              <a class="nav-link text-uppercase">=?
$navuraian ?>" href="<? = BASE_URL
?>uraian">Uraian RAB</a>
            </li>
            <li class="nav-item">
              <a class="nav-link text-uppercase">=?
$navsuburaian ?>" href="<? = BASE_URL ?>sub-
uraian/1">Sub Uraian RAB</a>
            </li>
          </ul>
          <ul class="navbar-nav ms-auto">
            <li class="nav-item">
              <a class="nav-link"><i class="bi bi-
person-circle"></i> <? = $namanya ?></a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="<? =
BASE_URL ?>keluar"><i class="bi bi-box-arrow-
right"></i> Keluar</a>
            </li>
          </ul>
        </div>
      </div>
    </div>
  </div>

```

```

    </div>
  </nav>
  <hr class="border border-dark border-2 opacity-50
mt-0">
</header>
<div class="container-fluid">
  <?php
$page = isset($_GET['admrab']) ?
$_GET['admrab'] : "";
switch($page){
  case "sub-uraian":
    suburaian();
    break;
  case "keluar":
    keluar();
    break;
  default:
    uraian();
}
?>
</div>

  <footer class="footer text-center mt-auto py-3 bg-
dark">
    <div class="container">
      <span class="text-white">Copyright © 2024.
RAB (Rencana Anggaran Biaya)</span>
    </div>
  </footer>

  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/
js/bootstrap.bundle.min.js"
integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55ND
zOxhy9GkcIdslK1eN7N6jleHz"
crossorigin="anonymous">
  </script>
  <script>
    function formatNumber(input) {
      let value = input.value.replace(/^[^0-9.,]/g, "");
      input.value = value;
    }
  </script>
</body>

</html>

<?php
}
?>

```