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LAMPIRAN I**DATA SISWA****1. Data Nilai Siswa 2015**

Tahun Ajaran	Nama Siswa	Absensi	Nilai semester 1	Nilai semester 2	Nilai praktek	Kepribadian	Hasil
2015	Ahmad wildan el habibi	75	80	78	80	75	Naik
2015	Aisah nuril mahda	75	75	75	85	75	Naik
2015	Sul Khan faturrohman	75	75	70	80	75	Naik
2015	Alif sohkaerul h.	75	75	70	80	75	Naik
2015	Alya karimah	75	75	70	80	75	Naik
2015	Auliya nailul ni'mah	75	75	70	80	75	Naik
2015	Awa nadia sumarno	75	75	70	80	75	Naik
2015	Fatta apriliana ulfa	75	75	70	80	75	Naik
2015	Fiya hilmatus nashihah	70	75	70	80	75	Naik
2015	Laila nuril mala	70	75	70	80	75	Naik
2015	Giveny aulia wahidah w.	70	75	70	80	75	Naik
2015	Haya adzkiyatul m	70	75	70	80	75	Naik
2015	Kalisha lulu mudia	70	75	70	80	75	Naik
2015	Naylia dwi rahma	70	75	70	80	75	Naik
2015	Muhamad rifky m. H	70	75	70	80	75	Naik
2015	Muhammad fatih dzihni	70	75	70	80	75	Naik
2015	Muhammad marva mufazzal	70	75	70	80	75	Naik

2015	Nayla nafisaturroch mah	70	70	70	80	75	Naik
2015	Nur atika sari	70	70	70	80	75	Naik
2015	Oki edi pratama	70	70	70	80	75	Naik

DATA SISWA 2016

Tahun Ajaran	Nama Siswa	Absensi	Nilai semester 1	Nilai semester 2	Nilai praktek	Kepribadian	Hasil
2016	Andika pratama saputra	70	70	70	70	75	Naik
2016	Anggita nabila risky	70	75	75	85	75	Naik
2016	Arfa maulana asyafiq	70	75	70	80	75	Naik
2016	Austin yavi qinosky	70	75	70	75	75	Naik
2016	Bassam tsaqieburrohman	70	75	70	80	75	Naik
2016	Daffa ma'arif	70	75	70	80	75	Naik
2016	Diana tri utami	70	75	70	80	75	Naik
2016	Erina nafia firdaus	70	75	70	80	75	Naik
2016	Fadillah qurotun rofiah	70	75	70	70	75	Naik
2016	Fani fadilah mustri	70	75	70	70	75	Naik
2016	Farzan ahza argani	70	75	70	70	75	Naik
2016	Hanif wahida yurianti	70	75	70	70	75	Naik
2016	Itsna nur zakiyya	70	75	70	70	75	Naik
2016	Kalila nurjanah	70	75	70	70	75	Naik
2016	Khasna fadilaturohman	70	75	70	80	75	Naik

2016	Muchammad mustofa bisri	70	75	70	80	75	Naik
2016	Muhammad fadillah irsyad	70	75	70	80	75	Naik
2016	Muhammad johan fatahillah	70	70	70	80	75	Naik
2016	Muhammad karim benzema	70	70	70	80	75	Naik
2016	Muhammad mirza mufazzal	70	70	70	80	75	Naik

Data Siswa Tahun 2017

Tahun Ajaran	Nama Siswa	Absensi	Nilai semester 1	Nilai semester 2	Nilai praktek	Kepribadian	Hasil
2017	Arianto wibowo	70	70	70	70	75	Naik
2017	Arif kurniawan	70	75	75	85	75	Naik
2017	Arifatur rafka rifai	70	75	70	80	75	Naik
2017	Akmal Maulana	65	60	67	70	70	Tidak Naik
2017	Esti rahayu	70	75	70	80	75	Naik
2017	Fajar taufik ramadhan	70	75	70	80	75	Naik
2017	Inka anindya putri	70	75	70	80	75	Naik
2017	Linda siti aminah	70	75	70	80	75	Naik
2017	Luthfi zaqi zaidan	70	75	70	70	75	Naik
2017	Maulana septri pratama	70	75	70	70	75	Naik
2017	Muhammad febrian erlangga	70	75	70	70	75	Naik
2017	Muhamad rizal dwi saputra	70	75	70	70	75	Naik
2017	Naeli nasihatul fitroh	70	75	70	70	75	Naik
2017	Naila putri fazila	70	75	70	70	75	Naik

2017	Rahul fitrasyah	70	75	70	80	75	Naik
2017	Rizky achmad maulana	70	75	70	80	75	Naik
2017	Shelly azka sekar kamardika	70	75	70	80	75	Naik
2017	Wahid sahrul romadhon	70	70	70	80	75	Naik
2017	Ziana zainul afdila	70	70	70	80	75	Naik
2017	Zafran Arianto wibowo	70	70	70	80	75	Naik

Data Siswa pada tahun 2018

Tahun Ajaran	Nama Siswa	Absensi	Nilai semester 1	Nilai semester 2	Nilai praktek	Kepribadian	Hasil
2018	Adita Ana Syarof	70	70	70	70	75	Naik
2018	Afifah Khairina Nabila	70	75	75	85	75	Naik
2018	Ahmad Fauzi	70	75	70	80	75	Naik
2018	Ahmad Lutfi	70	70	70	70	70	Naik
2018	Amelinda Jamilatun Sabrina	70	75	70	80	75	Naik
2018	Akmal Maulan	55	65	58	60	70	Naik bersyarat
2018	Deni Andrean	70	75	70	80	75	Naik
2018	Desinta Tifani Adi Putri	70	75	70	80	75	Naik
2018	Devis Deni Saputra	70	75	70	70	75	Naik
2018	Diana Akmalal Hidayati	70	75	70	70	75	Naik
2018	Dini Zarly Kamila	70	75	70	70	75	Naik
2018	Fina Naelatul Muna	70	75	70	70	75	Naik
2018	Galang dani Armansyah	65	70	60	70	65	Tidak Naik

2018	Mesyzahirotul Musarofah	70	75	70	70	75	Naik
2018	Muchamad Febri Aji Saputra	70	75	70	80	75	Naik
2018	Muhamad Akmal Arif Fauzan	70	75	70	80	75	Naik
2018	Muhammad Ambar Danu Wirayang	70	75	70	80	75	Naik
2018	Muhammad Rizki	70	70	70	80	75	Naik
2018	Neza Ismawardhani	70	70	70	80	75	Naik
2018	Novia Putri Lestari	70	70	70	80	75	Naik

Data Siswa Tahun Ajaran 2019

Tahun Ajaran	Nama Siswa	Absensi	Nilai semester 1	Nilai semester 2	Nilai praktek	Kepribadian	Hasil
2019	Adha anggung nastitie	70	70	70	70	75	Naik
2019	Ahmad yusuf	70	75	75	85	75	Naik
2019	Akhfillah sidqi	70	75	70	80	75	Naik
2019	Anisa yuliana damayanti	75	75	75	70	70	Naik
2019	Aski avrillia zahra	70	75	70	80	75	Naik
2019	Ataka badrud duja	70	75	70	80	75	Naik
2019	Avrina agustin wibowo	70	75	70	80	75	Naik
2019	Dafi bagus al saputra	70	75	70	80	75	Naik
2019	Dimas bagus mustaqim	70	75	70	70	75	Naik

2019	Faiha salsyabila rahmawati kasih	70	75	70	70	75	Naik
2019	Firma dinata	70	75	70	70	75	Naik
2019	Gema akbar nan bening	70	75	70	70	75	Naik
2019	Idar bagas nasa madu	70	75	70	70	75	Naik
2019	Ikhsan nurul fadli	70	75	70	70	75	Naik
2019	Isni aisyah	70	75	70	80	75	Naik
2019	Muhammad amir hafzan	70	75	70	80	75	Naik
2019	Mufid nur wahyudin	70	75	70	80	75	Naik
2019	Zuran Khaereza	70	70	70	80	75	Naik
2019	Zulfa faiza	70	70	70	80	75	Naik
2019	Rizal saputra	70	70	70	80	75	Naik

Beradasrkan kepribadian

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A02	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A03	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A06	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A07	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A08	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A09	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

A11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total kolom	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

Hasil Akhir

A01 - Ahmad Wildan El habibi (2015)	0.071	0.099	0.095	0.048	0.05	0.078	1
A02 - Alsah Nuril Mahda (2015)	0.071	0.051	0.048	0.095	0.05	0.063	2
A03 - Sulkhan faturrohman (2015)	0.071	0.051	0.048	0.048	0.05	0.057	3
A04 - Alif Sokhaerul (2015)	0.071	0.051	0.048	0.048	0.05	0.057	4
A05 - Alya Kharimah (2015)	0.071	0.051	0.048	0.048	0.05	0.057	5
A06 - Auliya Nailul (2015)	0.071	0.051	0.048	0.048	0.05	0.057	6
A07 - Awa Nadia Sumarno (2015)	0.071	0.051	0.048	0.048	0.05	0.057	7
A08 - Fatta Apriliana Ulfa (2015)	0.071	0.051	0.048	0.048	0.05	0.057	8
A14 - naylia dwi rahma (2015)	0.036	0.051	0.048	0.048	0.05	0.044	9
A17 - Muhammad marva mufazzal (2015)	0.036	0.051	0.048	0.048	0.05	0.044	10
A16 - Muhamad Fath (2015)	0.036	0.051	0.048	0.048	0.05	0.044	11
A15 - Muhamad Rifki (2015)	0.036	0.051	0.048	0.048	0.05	0.044	12
A11 - Giveny Aulia (2015)	0.036	0.051	0.048	0.048	0.05	0.044	13

A11	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A14	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A16	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A18	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
A20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1	1	1	1	1	1
Total kolom	14	14	14	14	14	14	14	14	14	28	28	28	28	28	28	28	28	28	28	28

Berdasarkan nilai semester 1

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
A02	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A03	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A04	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A05	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A06	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A07	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A08	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A09	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A10	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2

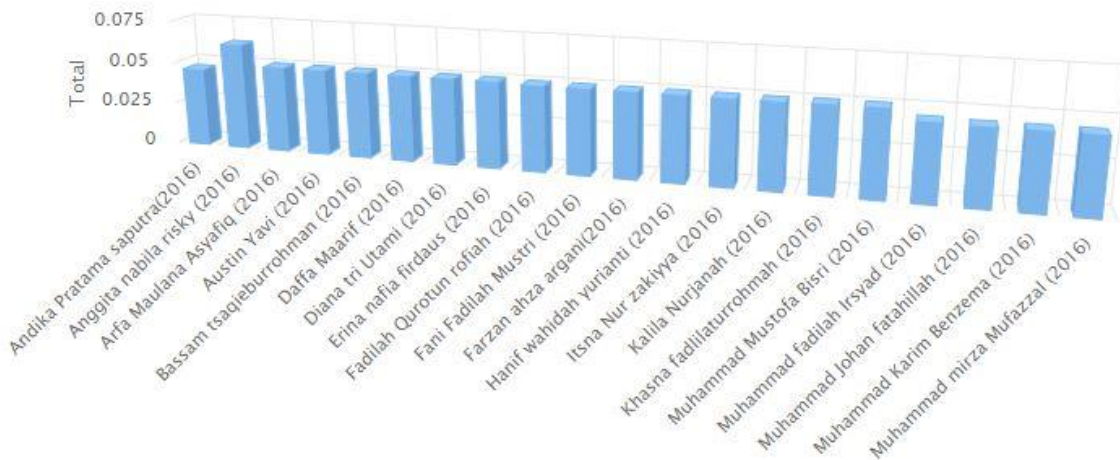
A11	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A12	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A13	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A14	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A15	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A16	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A17	0.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
A18	0.333	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1
A19	0.333	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1
A20	0.333	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1
Total kolom	10	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	38	38	38

Hasil Akhir

A02 - Anggita nabila risky (2016)	0.05	0.056	0.095	0.066	0.05	0.063	1
A16 - Muhammad Mustofa Bisri (2016)	0.05	0.057	0.048	0.049	0.05	0.051	2
A03 - Arfa Maulana Asyafiq (2016)	0.05	0.057	0.048	0.049	0.05	0.051	3
A04 - Austin Yavi (2016)	0.05	0.057	0.048	0.049	0.05	0.051	4
A05 - Bassam tsaqieburrohman (2016)	0.05	0.057	0.048	0.049	0.05	0.051	5
A06 - Daffa Maarif (2016)	0.05	0.057	0.048	0.049	0.05	0.051	6
A07 - Diana tri Utami (2016)	0.05	0.057	0.048	0.049	0.05	0.051	7
A15 - Khasna fadlilaturohmah (2016)	0.05	0.057	0.048	0.049	0.05	0.051	8
A08 - Erina nafia firdaus (2016)	0.05	0.057	0.048	0.048	0.05	0.051	9
A11 - Farzan ahza argani(2016)	0.05	0.057	0.048	0.047	0.05	0.051	10
A09 - Fadilah Qurotun rofiah (2016)	0.05	0.057	0.048	0.047	0.05	0.051	11
A10 - Fani Fadilah Mustri (2016)	0.05	0.057	0.048	0.047	0.05	0.051	12
A12 - Hanif wahidah yurianti (2016)	0.05	0.057	0.048	0.047	0.05	0.051	13
A13 - Itsna Nur zakiiyya (2016)	0.05	0.057	0.048	0.047	0.05	0.051	14
A14 - Kalila Nurjanah (2016)	0.05	0.057	0.048	0.047	0.05	0.051	15
A01 - Andika Pratama saputra(2016)	0.05	0.029	0.048	0.063	0.05	0.047	16
A17 - Muhammad fadilah Irsyad (2016)	0.05	0.03	0.048	0.049	0.05	0.045	17
A18 - Muhammad Johan fatahillah (2016)	0.05	0.029	0.048	0.049	0.05	0.045	18
A19 - Muhammad Karim Benzema (2016)	0.05	0.029	0.048	0.049	0.05	0.045	19
A20 - Muhammad mirza Mufazzal (2016)	0.05	0.029	0.048	0.049	0.05	0.045	20

Grafik Perangkingan

Grafik Hasil Perangkingan



A11	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A12	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A13	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A14	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A15	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A16	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A17	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A18	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A19	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A20	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total kolom	19.5	19.333	19.333	54	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.333	19.5

Berdasarkan Nilai semester 2

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A02	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A03	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A04	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A05	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A06	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A07	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A08	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A09	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A10	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1

A11	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A12	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A13	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A14	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A15	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A16	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A17	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A18	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A19	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A20	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Total kolom	19	19	19	19	19	37	19	19	19	19	19	19	38	19	19	19	19.5	19	19	19

A11	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A12	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A13	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A14	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A15	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A16	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A17	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A18	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A19	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A20	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total kolom	19.5	19.5	19.5	38	20	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5

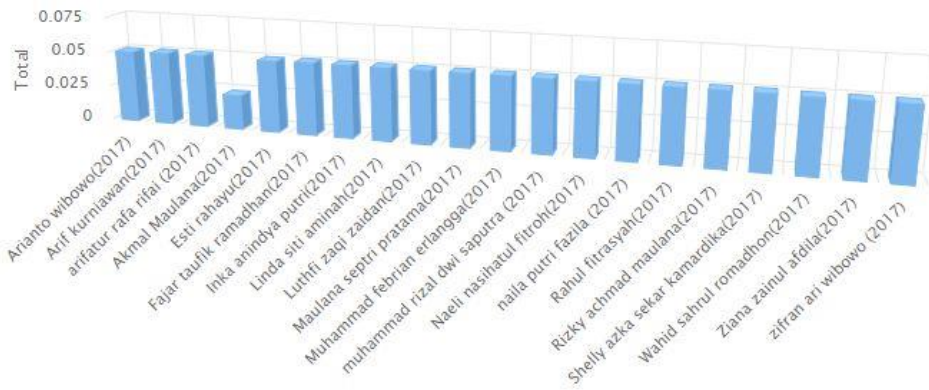
Hasil Akhir

A11 - Muhammad febrina erlangga(2017)	0.051	0.052	0.051	0.051	0.051	0.051	1
A17 - Shelly azka sekar kamardika(2017)	0.051	0.052	0.051	0.051	0.051	0.051	2
A03 - arifatur rafa rifai (2017)	0.051	0.052	0.051	0.051	0.051	0.051	3
A06 - Fajar taufik ramadhan(2017)	0.051	0.052	0.051	0.051	0.051	0.051	4
A07 - Inka anindya putri(2017)	0.051	0.052	0.051	0.051	0.051	0.051	5
A08 - Linda siti aminah(2017)	0.051	0.052	0.051	0.051	0.051	0.051	6
A09 - Luthfi zaqi zaidan(2017)	0.051	0.052	0.051	0.051	0.051	0.051	7
A10 - Maulana sepri pratama(2017)	0.051	0.052	0.051	0.051	0.051	0.051	8
A02 - Arif kurniawan(2017)	0.051	0.052	0.051	0.051	0.051	0.051	9
A12 - muhammad rizal dwi saputra (2017)	0.051	0.052	0.051	0.051	0.051	0.051	10
A13 - Naeli nasihatul fitroh(2017)	0.051	0.052	0.051	0.051	0.051	0.051	11
A14 - Naila putri fazila (2017)	0.051	0.052	0.051	0.051	0.051	0.051	12

A15 - Rahul fitrasyah(2017)	0.051	0.052	0.051	0.051	0.051	0.051	13
A16 - Rizky achmad maulana(2017)	0.051	0.052	0.051	0.051	0.051	0.051	14
A05 - Esti rahayu(2017)	0.051	0.052	0.051	0.05	0.051	0.051	15
A19 - Ziana zainul afdilla(2017)	0.051	0.051	0.051	0.051	0.051	0.051	16
A01 - Arianto wibowo(2017)	0.051	0.051	0.051	0.051	0.051	0.051	17
A18 - Wahid sahrul romadhon(2017)	0.051	0.051	0.051	0.051	0.051	0.051	18
A20 - zifran ari wibowo (2017)	0.051	0.051	0.051	0.051	0.051	0.051	19
A04 - Akmal Maulana(2017)	0.026	0.019	0.026	0.027	0.026	0.024	20

Grafik Perangkingan

Grafik Hasil Perangkingan



4. Tahun 2018

Berdasarkan absensi

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A02	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A03	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A04	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A05	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A06	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A07	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A08	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A09	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A10	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1

A11	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A12	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A13	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A14	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A15	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A16	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A17	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A18	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A19	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A20	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Total kolom	19	19	19	19	19	38	19	19	19	19	19	19	38	19	19	19	19	19	19	19

Berdarkan nilai semester 1

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A02	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A03	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A04	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A05	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A06	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	1	0.5	0.5	0.5
A07	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A08	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A09	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A10	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1

A11	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A12	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A13	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A14	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A15	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A16	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A17	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A18	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A19	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A20	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Total kolom	19	19	19	19	19	37	19	19	19	19	19	19	38	19	19	19	19.5	19	19	19

Berdasarkan nilai sesmster 2

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A02	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A03	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A04	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A05	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A06	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A07	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A08	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A09	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A10	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1

A11	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A12	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A13	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5
A14	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A15	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A16	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A17	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A18	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A19	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A20	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Total kolom	19	19	19	19	19	37	19	19	19	19	19	19	38	19	19	19	19.5	19	19	19

Berdasarkan nilai praktek

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18
A01	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A02	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A03	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A04	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A05	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A06	0.333	0.333	0.333	0.333	0.333	1	0.333	0.333	0.333	0.333	0.333	0.333	1	0.333	0.333	0.333	0.333	0.333
A07	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A08	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A09	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A10	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1

A11	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A12	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A13	0,333	0,333	0,333	0,333	0,333	1	0,333	0,333	0,333	0,333	0,333	0,333	1	0,333	0,333	0,333	0,333	0,333
A14	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A15	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A16	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A17	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A18	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A19	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
A20	1	1	1	1	1	3	1	1	1	1	1	1	3	1	1	1	1	1
Total kolom	18.667	18.667	18.667	18.667	18.667	56	18.667	18.667	18.667	18.667	18.667	18.667	56	18.667	18.667	18.667	18.667	18.667

Berdasarkan Kepribadian

	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20
A01	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A02	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A03	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A04	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A05	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A06	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A07	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A08	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A09	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A10	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1

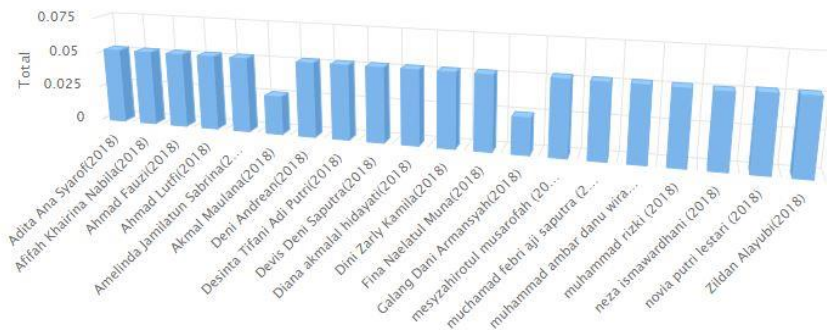
A11	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A12	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A13	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	1	0.5	0.5
A14	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A15	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A16	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A17	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A19	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
A20	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Total kolom	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	38	19.5	19.5	19.5	19.5	20	19.5	19.5

Hasil Akhir

A14 - mesyzahirotul musarofah (2018)	0.053	0.053	0.055	0.054	0.051	0.053	1
A16 - muhammad ambar danu wirayang (2018)	0.053	0.053	0.053	0.054	0.051	0.053	2
A15 - muchamad febi aji saputra (2018)	0.053	0.053	0.053	0.054	0.051	0.053	3
A01 - Adita Ana Syarof(2018)	0.053	0.053	0.052	0.054	0.051	0.053	4
A10 - Diana akmalal hidayati(2018)	0.053	0.053	0.052	0.054	0.051	0.053	5
A19 - novia putri lestari (2018)	0.053	0.053	0.052	0.054	0.051	0.053	6
A12 - Fina Naelatul Muna(2018)	0.053	0.053	0.052	0.054	0.051	0.053	7
A02 - Affah Khairina Nabila(2018)	0.053	0.053	0.052	0.054	0.051	0.053	8
A11 - Dini Zarly Kamila(2018)	0.053	0.053	0.052	0.054	0.051	0.053	9
A09 - Devis Deni Saputra(2018)	0.053	0.053	0.052	0.054	0.051	0.053	10
A08 - Desinta Tifani Adi Putri(2018)	0.053	0.053	0.052	0.054	0.051	0.053	11
A07 - Deni Andrean(2018)	0.053	0.053	0.052	0.054	0.051	0.053	12
A05 - Amelinda Jamilatun Sabrina(2018)	0.053	0.053	0.052	0.054	0.051	0.053	13
A04 - Ahmad Lutfi(2018)	0.053	0.053	0.052	0.054	0.051	0.053	14
A03 - Ahmad Fauzi(2018)	0.053	0.053	0.052	0.054	0.051	0.053	15
A03 - Ahmad Fauzi(2018)	0.053	0.053	0.052	0.054	0.051	0.053	15
A20 - Zildan Alayubi(2018)	0.053	0.053	0.052	0.054	0.051	0.053	16
A17 - muhammad rizki (2018)	0.053	0.051	0.052	0.054	0.051	0.052	17
A18 - neza ismawardhani (2018)	0.053	0.053	0.049	0.054	0.05	0.052	18
A06 - Akmal Maulana(2018)	0.026	0.028	0.026	0.018	0.051	0.027	19
A13 - Galang Dani Armansyah(2018)	0.026	0.026	0.029	0.018	0.027	0.026	20

Grafik Perangkingan

Grafik Hasil Perangkingan



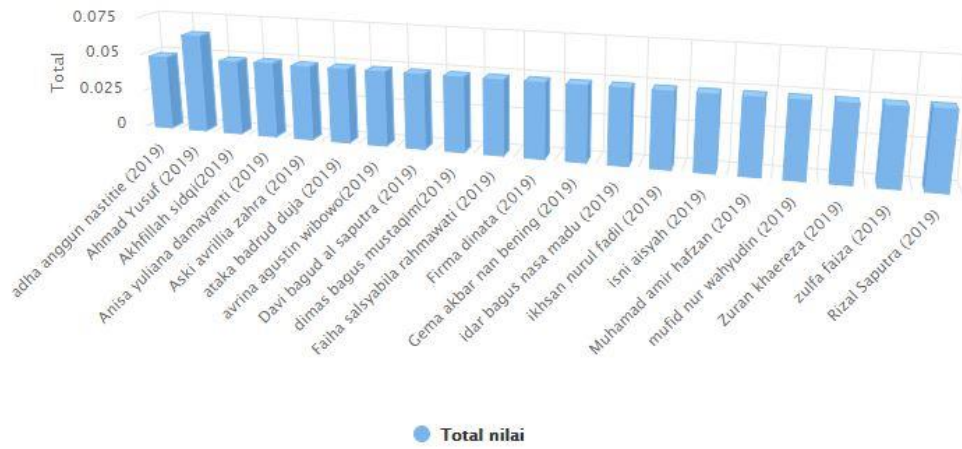
A11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
A20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total kolom	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20

Hasil Akhir

A02 - Ahmad Yusuf (2019)	0.05	0.05	0.09	0.095	0.05	0.065	1
A20 - Rizal Saputra (2019)	0.05	0.05	0.05	0.048	0.05	0.05	2
A04 - Anisa yuliana damayanti (2019)	0.05	0.05	0.05	0.048	0.05	0.05	3
A19 - zulfa faiza (2019)	0.05	0.05	0.048	0.048	0.05	0.049	4
A18 - Zuran khaereza (2019)	0.05	0.05	0.048	0.048	0.05	0.049	5
A17 - mufid nur wahyudin (2019)	0.05	0.05	0.048	0.048	0.05	0.049	6
A16 - Muhamad amir hafzan (2019)	0.05	0.05	0.048	0.048	0.05	0.049	7
A15 - Isni aisyah (2019)	0.05	0.05	0.048	0.048	0.05	0.049	8
A14 - ikhsan nurul fadil (2019)	0.05	0.05	0.048	0.048	0.05	0.049	9
A13 - idar bagus nasa madu (2019)	0.05	0.05	0.048	0.048	0.05	0.049	10
A01 - adha anggung nastitie (2019)	0.05	0.05	0.048	0.048	0.05	0.049	11
A12 - Gema akbar nan bening (2019)	0.05	0.05	0.048	0.048	0.05	0.049	12
A10 - Faiha salsyabila rahmawati (2019)	0.05	0.05	0.048	0.048	0.05	0.049	13
A09 - dimas bagus mustaqim(2019)	0.05	0.05	0.048	0.048	0.05	0.049	14
A08 - Davi bagud al saputra (2019)	0.05	0.05	0.048	0.048	0.05	0.049	15
A07 - avrina agustin wibowo(2019)	0.05	0.05	0.048	0.048	0.05	0.049	16
A06 - ataka badrud duja (2019)	0.05	0.05	0.048	0.048	0.05	0.049	17
A05 - Aski avrillia zahra (2019)	0.05	0.05	0.048	0.048	0.05	0.049	18
A03 - Akhfillah sidqi(2019)	0.05	0.05	0.048	0.048	0.05	0.049	19
A11 - Firma dinata (2019)	0.05	0.05	0.048	0.048	0.05	0.049	20

Grafik Perangkingan

Grafik Hasil Perangkingan



LAMPIRAN III

KODE PROGRAM

a. form login

```
<div class="page-header">
  <h1>Login</h1>
</div>
<div class="row">
  <div class="col-md-4">
    <?php if($_POST) include 'aksi.php'; ?>
    <form method="post">
      <div class="form-group">
        <label>Username</label>
        <input type="text" class="form-control" placeholder="Username" name="user" autofocus />
      </div>
      <div class="form-group">
        <label>Password</label>
        <input type="password" id="inputPassword" class="form-control" placeholder="Password"
name="pass" />
      </div>
      <div class="form-group">
        <button class="btn btn-primary" type="submit"><span class="glyphicon glyphicon-log-
in"></span> Masuk</button>

      </div>
    </form>
  </div>
</div>
```


b. form menu utama

```
<?php
include 'functions.php';
($_SESSION['user'])
("location:login.php");
?>
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link rel="icon" href="favicon.ico" />

  <title>Mi Ya Bakii Welahan</title>
  <link href="assets/css/united-bootstrap.min.css" rel="stylesheet" />
  <link href="assets/css/general.css" rel="stylesheet" />
  <script src="assets/js/jquery.min.js"></script>
  <script src="assets/js/bootstrap.min.js"></script>
  <script src="assets/js/highcharts.js"></script>
  <script src="assets/js/highcharts-3d.js"></script>
  <script src="assets/js/exporting.js"></script>
</head>

<body>
  <nav class="navbar navbar-default navbar-static-top">
    <div class="container">
      <div class="navbar-header">
        <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#navbar" aria-expanded="false" aria-controls="navbar">
          <span class="sr-only">Toggle navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
        <a class="navbar-brand" href="#">Home</a>
      </div>
      <div id="navbar" class="navbar-collapse collapse">
        <ul class="nav navbar-nav">
          <li class="<?= is_hidden('user') ?>"><a href="#"m=user"><span
class="glyphicon glyphicon-user"></span> User</a></li>
          <li class="<?= is_hidden('alternatif') ?>"><a
href="#"m=alternatif"><span class="glyphicon glyphicon-th-large"></span> Siswa</a></li>
          <li class="<?= is_hidden('kriteria') ?>"><a
href="#"m=kriteria"><span class="glyphicon glyphicon-th"></span> Kriteria</a></li>
        </ul>
      </div>
    </div>
  </nav>
</body>
</html>
```

```

        <li class="dropdown <?= is_hidden('nilai') ?>">
            <a href="#" class="dropdown-toggle" data-
toggle="dropdown" role="button" aria-expanded="false"><span class="glyphicon glyphicon-th-
list"></span> Nilai Bobot<span class="caret"></span></a>
                <ul class="dropdown-menu" role="menu">
                    <li><a href="?m=rel_kriteria"><span
class="glyphicon glyphicon-chevron-right"></span> Nilai bobot kriteria</a></li>
                    <li><a href="?m=rel_alternatif"><span
class="glyphicon glyphicon-chevron-right"></span> Nilai bobot alternatif</a></li>
                </ul>
            </li>
            <li class="<?= is_hidden('hitung') ?>"><a
href="?m=hitung"><span class="glyphicon glyphicon-calendar"></span> Perhitungan</a></li>
            <li class="<?= is_hidden('logout') ?>"><a
href="aksi.php?act=logout"><span class="glyphicon glyphicon-log-out"></span> Logout</a></li>

            <li class="<?= is_hidden('hasil') ?>"><a href="?m=hasil"><span
class="glyphicon glyphicon-stats"></span> Perhitungan</a></li>
            <li class="<?= is_hidden('login') ?>"><a href="?m=login"><span
class="glyphicon glyphicon-user"></span> Login</a></li>
        </ul>
        <div class="navbar-text"></div>
    </div>
<!--/.nav-collapse -->
</div>
</nav>
<div class="container hentry">
    <?php
        if (file_exists($mod . '.php'))
            include $mod . '.php';
        else
            include 'home.php';
    ?>
</div>
<footer class="footer bg-primary">
    <div class="container">

        </div>
</footer>
</body>
</html>
<?php
include 'functions.php';
($_SESSION['user'])
("location:login.php");
?>
<!DOCTYPE html>

```

```

<html lang="en">

<head>
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link rel="icon" href="favicon.ico" />

  <title>Mi Ya Bakii Welahan</title>
  <link href="assets/css/united-bootstrap.min.css" rel="stylesheet" />
  <link href="assets/css/general.css" rel="stylesheet" />
  <script src="assets/js/jquery.min.js"></script>
  <script src="assets/js/bootstrap.min.js"></script>
  <script src="assets/js/highcharts.js"></script>
  <script src="assets/js/highcharts-3d.js"></script>
  <script src="assets/js/exporting.js"></script>
</head>

<body>
  <nav class="navbar navbar-default navbar-static-top">
    <div class="container">
      <div class="navbar-header">
        <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#navbar" aria-expanded="false" aria-controls="navbar">
          <span class="sr-only">Toggle navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
        <a class="navbar-brand" href="#">Home</a>
      </div>
      <div id="navbar" class="navbar-collapse collapse">
        <ul class="nav navbar-nav">
          <li class="<?= is_hidden('user') ?>"><a href="?m=user"><span
class="glyphicon glyphicon-user"></span> User</a></li>
          <li class="<?= is_hidden('alternatif') ?>"><a
href="?m=alternatif"><span class="glyphicon glyphicon-th-large"></span> Siswa</a></li>
          <li class="<?= is_hidden('kriteria') ?>"><a
href="?m=kriteria"><span class="glyphicon glyphicon-th"></span> Kriteria</a></li>

          <li class="dropdown <?= is_hidden('nilai') ?>">
            <a href="#" class="dropdown-toggle" data-
toggle="dropdown" role="button" aria-expanded="false"><span class="glyphicon glyphicon-th-
list"></span> Nilai Bobot<span class="caret"></span></a>
            <ul class="dropdown-menu" role="menu">
              <li><a href="?m=rel_kriteria"><span
class="glyphicon glyphicon-chevron-right"></span> Nilai bobot kriteria</a></li>
              <li><a href="?m=rel_alternatif"><span

```

```

class="glyphicon glyphicon-chevron-right"></span> Nilai bobot alternatif</a></li>
        </ul>
        </li>
        <li class="<?= is_hidden('hitung') ?>"><a
href="?m=hitung"><span class="glyphicon glyphicon-calendar"></span> Perhitungan</a></li>
        <li class="<?= is_hidden('logout') ?>"><a
href="aksi.php?act=logout"><span class="glyphicon glyphicon-log-out"></span> Logout</a></li>

        <li class="<?= is_hidden('hasil') ?>"><a href="?m=hasil"><span
class="glyphicon glyphicon-stats"></span> Perhitungan</a></li>
        <li class="<?= is_hidden('login') ?>"><a href="?m=login"><span
class="glyphicon glyphicon-user"></span> Login</a></li>
    </ul>
    <div class="navbar-text"></div>
</div>
<!--/.nav-collapse -->
</div>
</nav>
<div class="container hentry">
    <?php
        if (file_exists($mod . '.php'))
            include $mod . '.php';
        else
            include 'home.php';
    ?>
</div>
<footer class="footer bg-primary">
    <div class="container">

    </div>
</footer>
</body>

</html>

```

c. form Kriteria

```

<div class="page-header">
    <h1>Kriteria</h1>
</div>
<div class="panel panel-default">
    <div class="panel-heading">
        <form class="form-inline">
            <input type="hidden" name="m" value="kriteria" />
            <div class="form-group">
                <input class="form-control" type="text" placeholder="Pencarian. . ." name="q" value="<?=
$_GET['q'] ?>" />

```

```

</div>
<div class="form-group">
  <button class="btn btn-success"><span class="glyphicon glyphicon-refresh"></span>
Refresh</button>
</div>
<div class="form-group">
  <a class="btn btn-primary" href="?m=kriteria_tambah"><span class="glyphicon glyphicon-
plus"></span> Tambah</a>
</div>
<div class="form-group">
  <a class="btn btn-default" href="cetak.php?<?=$ _SERVER['QUERY_STRING'] ?>"
target="_blank"><span class="glyphicon glyphicon-print"></span> Cetak</a>
</div>
</form>
</div>
<div class="table-responsive">
  <table class="table table-bordered table-hover table-striped">
    <thead>
      <tr>
        <th>Kode</th>
        <th>Nama Kriteria</th>
        <th>Aksi</th>
      </tr>
    </thead>
    <?php
    $q = esc_field($_GET['q']);
    $rows = $db->get_results("SELECT * FROM tb_kriteria WHERE nama_kriteria LIKE '%$q%'
ORDER BY kode_kriteria");
    $no = 0;
    foreach ($rows as $row) : ?>
      <tr>
        <td><?=$row->kode_kriteria ?></td>
        <td><?=$row->nama_kriteria ?></td>
        <td>
          <a class="btn btn-xs btn-warning" href="?m=kriteria_ubah&ID=<?=$row->kode_kriteria
?>"><span class="glyphicon glyphicon-edit"></span></a>
          <a class="btn btn-xs btn-danger" href="aksi.php?act=kriteria_hapus&ID=<?=$row-
>kode_kriteria ?>" onclick="return confirm('Hapus data?')"><span class="glyphicon glyphicon-
trash"></span></a>
        </td>
      </tr>
    <?php endforeach; ?>
  </table>
</div>
</div>

```

d. Form alternative

```
<div class="page-header">
  <h1>Alternatif</h1>
</div>
<div class="panel panel-default">
  <div class="panel-heading">
    <form class="form-inline">
      <input type="hidden" name="m" value="alternatif" />
      <div class="form-group">
        <input class="form-control" type="text" placeholder="Pencarian. . ." name="q" value="<?=$_GET['q'] ?>" />
      </div>
      <div class="form-group">
        <button class="btn btn-success"><span class="glyphicon glyphicon-refresh"></span>
Refresh</button>
      </div>
      <div class="form-group">
        <a class="btn btn-primary" href="?m=alternatif_tambah"><span class="glyphicon glyphicon-plus"></span> Tambah</a>
      </div>
      <div class="form-group">
        <a class="btn btn-default" href="cetak.php?<?=$_SERVER['QUERY_STRING'] ?>"
target="_blank"><span class="glyphicon glyphicon-print"></span> Cetak</a>
      </div>
    </form>
  </div>
  <div class="table-responsive">
    <table class="table table-bordered table-hover table-striped">
      <thead>
        <tr>
          <th>Kode</th>
          <th>Nama Alternatif</th>
          <th>Aksi</th>
        </tr>
      </thead>
      <?php
      $q = esc_field($_GET['q']);
      $rows = $db->get_results("SELECT * FROM tb_alternatif
        WHERE kode_alternatif LIKE '%$q%'
        OR nama_alternatif LIKE '%$q%'
        ORDER BY kode_alternatif");
      $no = 0;
      foreach ($rows as $row) : ?>
        <tr>
          <td><?=$row->kode_alternatif ?></td>
          <td><?=$row->nama_alternatif ?></td>
          <td>
```

```

        <a class="btn btn-xs btn-warning" href="?m=alternatif_ubah&ID=<?=$row-
>kode_alternatif ?"><span class="glyphicon glyphicon-edit"></span></a>
        <a class="btn btn-xs btn-danger" href="aksi.php?act=alternatif_hapus&ID=<?=$row-
>kode_alternatif ?" onclick="return confirm('Hapus data?')"><span class="glyphicon glyphicon-
trash"></span></a>
    </td>
</tr>
<?php endforeach ?>
</table>
</div>
</div>

```

e. Perhitungan Ahp

```

<div class="page-header">
    <h1>Perhitungan</h1>
</div>
<?php
$c = $db->get_results("SELECT * FROM tb_rel_alternatif WHERE nilai>0");
if (!$ALTERNATIF || !$KRITERIA) :
    echo "Tampaknya anda belum mengatur alternatif dan kriteria. Silahkan tambahkan minimal 3
alternatif dan 3 kriteria.";
elseif (!$c) :
    echo "Tampaknya anda belum mengatur nilai alternatif. Silahkan atur pada menu <strong>Nilai
Bobot</strong> > <strong>Nilai Bobot Alternatif</strong>.";
else :
?>
    <div class="panel panel-primary">
        <div class="panel-heading">
            <h3 class="panel-title">Mengukur Konsistensi Kriteria</h3>
        </div>
        <div class="panel-body">
            <div class="panel panel-default">
                <div class="panel-heading">
                    <h3 class="panel-title">Matriks Perbandingan Kriteria</h3>
                </div>
                <div class="panel-body">
                    Pertama menyusun hirarki dimana diawali dengan tujuan, kriteria dan alternatif-alternatif
                    Selanjutnya menetapkan perbandingan berpasangan antara kriteria-kriteria dalam bentuk
                    matrik.

                    Nilai diagonal matrik untuk perbandingan suatu elemen dengan elemen itu sendiri diisi
                    dengan bilangan (1) sedangkan isi nilai perbandingan antara (1) sampai dengan (9) kebalikannya,
                    kemudian dijumlahkan perkolom.

                    Data matrik tersebut seperti terlihat pada tabel berikut.
                </div>
            </div>
            <div class="table-responsive">
                <table class="table table-bordered table-striped table-hover">

```

```
| &nbsp; | <?php     $matriks = get_relkriteria();     $total = get_total_kolom($matriks);      foreach ($matriks as $key => $val) : ?>         <th><?= $key ?></th>     <?php endforeach ?> |
| --- | --- |

<?php foreach ($matriks as $key => $val) : ?>
| <?= $key ?> - <?= $KRITERIA[$key] ?></td>     <?php foreach ($val as $k => $v) : ?>         <td><?= round($v, 4) ?></td>     <?php endforeach ?> |

<?php endforeach ?>
<tfoot>
| Total kolom</td>     <?php foreach ($total as $key => $val) : ?>         <td class="text-primary"><?= round($total[$key], 4) ?></td>     <?php endforeach ?> |

</tfoot>
</table>
</div>
</div>

```

```

<div class="panel panel-default">
  <div class="panel-heading">
    <h3 class="panel-title">Matriks Bobot Prioritas Kriteria</h3>
  </div>
  <div class="panel-body">

```

Setelah terbentuk matrik perbandingan maka dilihat bobot prioritas untuk perbandingan kriteria.

Dengan cara membagi isi matriks perbandingan dengan jumlah kolom yang bersesuaian, kemudian menjumlahkan perbaris setelah itu hasil penjumlahan dibagi dengan banyaknya kriteria sehingga ditemukan bobot prioritas seperti terlihat pada berikut.

```

</div>
<div class="table-responsive">
  <table class="table table-bordered table-striped table-hover">
    <thead>
      <tr>
        <th>&nbsp;</th>
        <?php

```



```

$normal = get_normalize($matriks, $total);
$rata = get_rata($normal);

foreach ($matriks as $key => $val) : ?>
    <th><?= $key ?></th>
<?php endforeach ?>
<th>Bobot Prioritas</th>
</tr>
</thead>
<?php foreach ($normal as $key => $val) : ?>
    <tr>
        <th><?= $key ?></th>
        <?php foreach ($val as $k => $v) : ?>
            <td><?= round($v, 4) ?></td>
        <?php endforeach ?>
        <td class="text-primary"><?= round($rata[$key], 3) ?></td>
    </tr>
<?php endforeach ?>
</table>
</div>
</div>

```

```

<div class="panel panel-default">
    <div class="panel-heading">
        <h3 class="panel-title">Matriks Konsistensi Kriteria</h3>
    </div>
    <div class="panel-body">

```

Untuk mengetahui konsisten matriks perbandingan dilakukan perkalian seluruh isi kolom matriks A perbandingan dengan bobot prioritas kriteria A, isi kolom B matriks perbandingan dengan bobot prioritas kriteria B dan seterusnya. Kemudian dijumlahkan setiap barisnya dan dibagi penjumlahan baris dengan bobot prioritas bersesuaian seperti terlihat pada tabel berikut.

```

</div>
<div class="table-responsive">
    <table class="table table-bordered table-striped table-hover">
        <thead>
            <tr>
                <th>&nbsp;</th>
                <?php
                    $cm = get_consistency_measure($matriks, $rata);

                    foreach ($matriks as $key => $val) : ?>
                        <th><?= $key ?></th>
                    <?php endforeach ?>
                <th>CM</th>
            </tr>
        </thead>
        <?php foreach ($normal as $key => $val) : ?>
            <tr>
                <th><?= $key ?></th>

```

```

        <?php foreach ($val as $k => $v) : ?>
            <td><?= round($v, 4) ?></td>
        <?php endforeach ?>
        <td class="text-primary"><?= round($cm[$key], 3) ?></td>
    </tr>
<?php endforeach ?>
</table>
</div>
<div class="panel-body">
    Berikut tabel ratio index berdasarkan ordo matriks.
</div>
<div class="table-responsive">
    <table class="table table-bordered">
        <tr>
            <th>Ordo matriks</th>
            <?php
            foreach ($nRI as $key => $val) {
                if (count($matriks) == $key)
                    echo "<td class='text-primary'>$key</td>";
                else
                    echo "<td>$key</td>";
            }
            ?>
        </tr>
        <tr>
            <th>Ratio index</th>
            <?php
            foreach ($nRI as $key => $val) {
                if (count($matriks) == $key)
                    echo "<td class='text-primary'>$val</td>";
                else
                    echo "<td>$val</td>";
            }
            ?>
        </tr>
    </table>
</div>
<div class="panel-footer">
    <?php
    $CI = ((array_sum($cm) / count($cm)) - count($cm)) / (count($cm) - 1);
    $RI = $nRI[count($matriks)];
    $CR = $CI / $RI;
    echo "<p>Consistency Index: " . round($CI, 3) . "<br />";
    echo "Ratio Index: " . round($RI, 3) . "<br />";
    echo "Consistency Ratio: " . round($CR, 3);
    if ($CR > 0.10) {
        echo " (Tidak konsisten)<br />";
    } else {

```

```

        echo " (Konsisten)<br />";
    }
    ?>
</div>
</div>
</div>
</div>
<div class="panel panel-primary">
    <div class="panel-heading">
        <h3 class="panel-title">Matriks Perbandingan Alternatif</h3>
    </div>
    <div class="panel-body">
        <p>Selanjutnya setelah menemukan bobot prioritas kriteria, menetapkan nilai skala
perbandingan alternatif berdasarkan masing-masing kriteria.
        Nilai alternatif sesuai dengan kebijakan madrasah
        Langkah selanjutnya membuat matriks perbandingan alternatif siswa berdasarkan kriteria.
        Setelah terbentuk matriks perbandingan siswa berdasarkan kriteria maka dicari bobot
prioritas untuk perbandingan siswa terhadap masing,masing kriteria.
        Buat kriteria selanjutnya dengan cara yang sama.</p>
        <?php foreach ($KRITERIA as $kode => $nama) : ?>
            <div class="panel panel-default">
                <div class="panel-heading">
                    <h3 class="panel-title">Matriks Perbandingan Alternatif Berdasarkan <strong><?=
$nama ?></strong></h3>
                </div>
                <div class="table-responsive">
                    <table class="table table-bordered table-striped table-hover">
                        <tr>
                            <th>&nbsp;</th>
                            <?php
                                foreach ($ALTERNATIF as $k => $v) {
                                    echo "<th>$k</th>";
                                }
                            ?>
                        </tr>
                        <?php
                            $data = get_relalternatif($kode);
                            foreach ($data as $key => $value) {
                                echo "<tr><th>$key</th>";
                                foreach ($value as $k => $v) {
                                    echo "<td>" . round($v, 3) . "</td>";
                                }
                                echo "</tr>";
                            }
                        </div>

                        $total = get_total_kolom($data);
                        echo "<tfoot><tr><th>Total kolom</th>";
                        foreach ($total as $key => $value) {

```

```

        echo "<td class='text-primary'>" . round($total[$key], 3) . "</td>";
    }
    echo "</tr></tfoot>";
    ?>
</table>
</div>
<div class="panel-body">
    Matrik bobot prioritas alternatif berdasarkan <strong><?= $nama ?></strong>:
</div>
<div class="table-responsive">
    <table class="table table-bordered table-striped table-hover">
        <tr>
            <th>&nbsp;</th>
            <?php
                foreach ($ALTERNATIF as $k => $v) {
                    echo "<th>$k</th>";
                }
            ?>
            <th>Bobot</th>
        </tr>
        <?php
            $data = get_normalize($data, $total);
            $ratax = get_rata($data);

            foreach ($data as $key => $value) {
                echo "<tr><th>$key</th>";
                foreach ($value as $k => $v) {
                    echo "<td>" . round($v, 3) . "</td>";
                }
                echo "<td class='text-primary'>" . round($ratax[$key], 3) . "</td></tr>";
            }
        ?>
    </table>
</div>
</div>
<?php endforeach; ?>
</div>
<div class="panel panel-primary">
    <div class="panel-heading">
        <h3 class="panel-title">Hasil Akhir</h3>
    </div>
    <div class="panel-body">
        <div class="panel panel-default">
            <div class="panel-heading">
                <h3 class="panel-title">EIGEN KRITERIA DAN ALTERNATIF</h3>
            </div>
            <div class="panel-body">

```

Setelah menemukan bobot dari masing-masing kriteria terhadap nilai siswa yang sudah ditentukan oleh pihak madrasah, langkah selanjutnya adalah mengalikan bobot dari masing-masing kriteria dengan bobot dari masing-masing alternatif atau siswa, kemudian hasil perkalian tersebut dijumlahkan perbaris.

Sehingga didapatkan total prioritas global seperti pada tabel berikut.

```
</div>
<div class="table-responsive">
  <table class="table table-bordered table-striped table-hover">
    <?php
      echo "<tr><th>Alternatif</th>";
      $no = 1;
      foreach ($KRITERIA as $key => $value) {
        echo "<th>$key</th>";
        $no++;
      }
      echo "<th>Nilai</th><th>Rank</th>";
      echo "<tr><td>Vektor Eigen</td>";
      foreach ($rata as $r) {
        echo "<td>" . round($r, 3) . "</td>";
      }
      echo "<td></td><td></td></tr>";

      $eigen_alternatif = get_eigen_alternatif($KRITERIA);
      $nilai = get_mmult($eigen_alternatif, $rata);
      $rank = get_rank($nilai);

      foreach ($rank as $key => $val) {
        $db->query("UPDATE tb_alternatif SET total='$nilai[$key]', rank='$rank[$key]' WHERE
kode_alternatif='$key'");
        echo "<tr>";
        echo "<td>$key - " . $ALTERNATIF[$key] . "</td>";
        foreach ($eigen_alternatif[$key] as $k => $v) {
          echo "<td>" . round($v, 3) . "</td>";
        }
        echo "<td class='text-primary'>" . round($nilai[$key], 3) . "</td>";
        echo "<td class='text-primary'>$rank[$key]</td>";
        echo "</tr>";
        $no++;
      }
      echo "</tr>";
    ?>
  </table>
</div>
</div>
  <a class="btn btn-sm btn-default" href="cetak.php?m=hitung" target="_blank"><span
class="glyphicon glyphicon-print"></span> Cetak</a>
</div>
</div>
```

```

<div class="panel panel-primary">
  <div class="panel-heading">
    <h3 class="panel-title">Grafik Kenaikan Kelas</h3>
  </div>
  <div class="panel-body">
    <style>
      .highcharts-credits {
        display: none;
      }
    </style>
    <?php
    function get_chart1()
    {
      global $db;
      $rows = $db->get_results("SELECT * FROM tb_alternatif ORDER BY kode_alternatif");

      foreach ($rows as $row) {
        $data[$row->nama_alternatif] = $row->total * 1;
      }

      $chart = array();

      $chart['chart']['type'] = 'column';
      $chart['chart']['options3d'] = array(
        'enabled' => true,
        'alpha' => 15,
        'beta' => 15,
        'depth' => 50,
        'viewDistance' => 25,
      );
      $chart['title']['text'] = 'Grafik Hasil Perangkingan';
      $chart['plotOptions'] = array(
        'column' => array(
          'depth' => 25,
        )
      );

      $chart['xAxis'] = array(
        'categories' => array_keys($data),
      );
      $chart['yAxis'] = array(
        'min' => 0,
        'title' => array('text' => 'Total'),
      );
      $chart['tooltip'] = array(
        'headerFormat' => '<span style="font-size:10px">{point.key}</span><table>',
        'pointFormat' => '<tr><td style="color:{series.color};padding:0">{series.name}: </td>
        <td style="padding:0"><b>{point.y:.3f}</b></td></tr>',

```

```
'footerFormat' => '</table>',
'shared' => true,
'useHTML' => true,
);

$chart['series'] = array(
    array(
        'name' => 'Total nilai',
        'data' => array_values($data),
    )
);
return $chart;
}

?>
<script>
    ${function() {
        $('#chart1').highcharts(<?=json_encode(get_chart1()) ?>);
    }}
</script>
<div id="chart1" style="min-width: 310px; height: 400px; margin: 0 auto"></div>
</div>
</div>
<?php endif ?>
```

LAMPIRAN 4

GAMBAR



