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Lampiran - Lampiran



1. SURAT PERSETUJUAN ETIK



**KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS HASANUDDIN
FAKULTAS KESEHATAN MASYARAKAT
KOMITE ETIK PENELITIAN KESEHATAN**

Sekretariat :

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Fax (0411) 586013E-mail : kepktmh@gmail.com, website : www.fkm.uhsu.ac.id*

REKOMENDASI PERSETUJUAN ETIK

Nomor :4809/UN4.14.1/TP.02.02/2020

Tanggal : 20 Februari 2020

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No.Protokol	235193031	No. Sponsor Protokol	
Peneliti Utama	Minsarnawati	Sponsor	
Judul Peneliti	Variasi Spasial dan Determinan Stunting Pada Balita di Indonesia		
No.Versi Protokol	1	Tanggal Versi	13 April 2018
No.Versi PSP	1	Tanggal Versi	13 April 2018
Tempat Penelitian	Indonesia		
Judul Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa Berlaku 20 Februari 2020 Sampai 20 Februari 2021	Frekuensi review lanjutan
Ketua Komisi Etik Penelitian	Nama : Prof.dr.Veni Hadju,M.Sc,Ph.D	Tanda tangan 	Tanggal 20 Februari 2020
Sekretaris komisi Etik Penelitian	Nama : Nur Arifah,SKM,MA	Tanda tangan 	Tanggal 20-Februari 2020

Kewajiban Peneliti Utama :

1. Menyampaikan Amandemen Protokol untuk persetujuan sebelum di implementasikan
2. Menyampaikan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
3. Menyampaikan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
4. Menyampaikan laporan akhir setelah Penelitian berakhir
5. Melaporkan penyimpangan dari protocol yang disetujui (protocol deviation/violation)
6. Memenuhi semua peraturan yang ditetapkan



2. SURAT KETERANGAN SERAH TERIMA DATA PENELITIAN



KEMENTERIAN KESEHATAN REPUBLIK INDONESIA
BADAN PENELITIAN DAN PENGEMBANGAN KESEHATAN
Jalan Percobaan Nagari No.29 Jakarta 10560 Kotak Pos 1228
Telepon (021) 4261068 lokal/tele (021) 4243933
Laman: www.itbang.depkes.go.id Surat Elektronik: esibadan@itbang.depkes.go.id



Nomor : LIM.01.05/13448/2020 28 Agustus 2020
Lampiran : Satu lembar
Hal : Surat Keterangan Serah Terima Data Penelitian

Yth. Ketua Program Studi S3 Kesmas Universitas Hasanuddin

Berdasarkan surat Bapak/Ibu pada tanggal 26 September 2019 tentang permintaan data Risesdas untuk disertasi dengan judul Eksplorasi Variasi Spesial dan Determinan Stunting pada Balita di Indonesia (Risesdas 2007, 2013, 2018) atas nama Minsamawati, dengan ini kami sampaikan bahwa setelah melalui proses revaluasi proposal telah kami serahkan mikro data untuk penyelesaian penelitian sesuai dengan Berita Acara Serah Terima (BAST) terlampir. Yang bersangkutan telah mengambil datanya pada tanggal 20 Januari 2020.

Demikian disampaikan, atas perhatian dan kerjasamanya diucapkan terima kasih.

Sekretaris Badan Penelitian
dan Pengembangan Kesehatan,

Dr. Nana Mulyana
NIP 198505211985011001



Dokumen ini telah ditanda tangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan oleh BSN. (1/1)



Optimization Software:
www.balesio.com

Tabel 14. Matriks Variabel Penelitian

No	Variabel	Definisi Operasional	Kriteria Obyektif	Skala
1	Jenis Kelamin Anak	Informasi jenis kelamin yang diperoleh berdasarkan nama anak.	1. Perempuan 2. Laki-laki	Nominal
2	Usia Anak	Lama waktu hidup anak balita mulai dari lahir sampai penelitian dilakukan.	1. 0 – 2 bulan 2. 24 – 59 bulan	Nominal
3	ISPA pada Anak	Gangguan pada saluran pernafasan yang dialami oleh anak balita dalam 1 bulan terakhir berupa gejala panas disertai batuk berdahak/kering, dan atau pilek atau yang didiagnosis oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
4	Pneumonia pada Anak	Gangguan yang dialami oleh anak balita dalam 1 bulan terakhir berupa gejala panas tinggi disertai batuk berdahak dan napas lebih cepat dan lebih pendek dari biasa (cuping hidung)/sesak nafas dengan tarikan dinding dada bagian bawah atau didiagnosis menderita Pneumonia oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
5	TB Paru pada Anak	Gangguan yang dialami oleh anak balita dalam 12 bulan terakhir berupa gejala batuk \geq 2 minggu disertai dahak atau dahak bercampur darah/batuk berdarah dan berat badan sulit bertambah/menurun atau pernah didiagnosis menderita TB Paru oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
6	Hepatitis (Sakit Kuning) pada Anak	Gangguan yang dialami oleh anak balita dalam 12 bulan terakhir berupa gejala demam/panas, lemah, gangguan saluran cerna (mual, muntah, tidak nafsu makan), nyeri pada perut kanan atas, disertai urin berwarna air teh pekat, mata atau kulit berwarna kuning atau pernah didiagnosis menderita hepatitis oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
	Bengkak	Gangguan saluran pernafasan yang dialami oleh anak balita dalam 12 bulan terakhir berupa gejala sesak nafas disertai bunyi (mengi)/rasa tertekan di dada atau terbangun karena dada terasa tertekan di pagi hari atau waktu lainnya. Serangan sesak nafas/terengah-engah tanpa sebab yang jelas ketika tidak sedang berolahraga atau melakukan aktifitas fisik lainnya atau pernah didiagnosis menderita hepatitis oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
	Imunisasi BCG	Imunisasi BCG diberikan pada balita sesuai waktunya	1. Diberikan 2. tidak diberikan	Nominal



9	Jenis Kelamin Kepala RT	Informasi jenis kelamin yang diperoleh berdasarkan nama kepala keluarga (KK)	1. Laki-laki 2. Perempuan	Nominal
10	Usia Ibu	Lama waktu hidup ibu dari anak balita mulai dari lahir sampai penelitian dilakukan	Dalam tahun	Skala
11	Pendidikan Ibu	Tingkat pendidikan yang ditempuh Ibu dari balita	1. tidak sekolah 2. tidak tamat SD/MI 3. Tamat SD/MI 4. Tamat SMP/SLTA 5. Tamat SMA/SLTA 6. Tamat D1/D2/D3 7. Tamat S1/S2	Nominal
12	Pekerjaan Ibu	Jenis pekerjaan Ibu dari balita	1. PNS/TNI/POLRI/ BUMN/BUMD 2. Pegawai swasta 3. Wiraswasta 4. Petani 5. Nelayan 6. Buruh/sopir/PRT 7. Lainnya	Nominal
13	TB Paru pada Ibu	Gangguan yang dialami oleh ibu dari anak balita dalam 12 bulan terakhir berupa gejala batuk \geq 2 minggu disertai dahak atau dahak bercampur darah/batuk berdarah dan berat badan sulit bertambah/menurun atau pernah didiagnosis menderita TB Paru oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
14	Hepatitis (sakit kuning) pada Ibu	Gangguan yang dialami oleh ibu dari anak balita dalam 12 bulan terakhir berupa gejala demam/panas, lemah, gangguan saluran cerna (mual, muntah, tidak nafsu makan), nyeri pada perut kanan atas, disertai urin berwarna air teh pekat, mata atau kulit berwarna kuning atau pernah didiagnosis menderita hepatitis oleh tenaga kesehatan (dokter, perawat/bidan).	1. Tidak 2. Ya	Nominal
	Asma/ Mengi/ Ibu	Gangguan saluran pernafasan yang dialami oleh ibu dari anak balita dalam 12 bulan terakhir berupa gejala sesak nafas disertai bunyi (mengi)/rasa tertekan di dada atau terbangun karena dada terasa tertekan di pagi hari atau waktu lainnya. Serangan sesak nafas/terengah-engah tanpa sebab yang jelas ketika tidak sedang berolahraga atau melakukan aktifitas fisik lainnya atau pernah didiagnosis menderita hepatitis oleh tenaga kesehatan (dokter, perawat/bidan).	1. Tidak 2. Ya	Nominal
	Ibu	kondisi ibu dari balita menderita kanker sesuai diagnosis petugas kesehatan (dokter, perawat/bidan).	1. Tidak 2. Ya	Nominal



17	Penggunaan tembakau ibu	keadaan selama 1 bulan terakhir ibu dari balita merokok/mengunyah tembakau setiap hari.	1. Tidak pernah 2. Ya	Nominal
18	IMT Ibu	Indeks Massa Tubuh ibu dari balita.	1. Kurus 2. Normal 3. Berat badan lebih 4. Obesitas	Ordinal
19	Tinggi Badan Ibu	Hasil pengukuran tinggi badan ibu dari balita.	1. ≥ 150 cm (normal) 2. < 150 cm (pendek)	Skala
20	Lingkar Perut Ibu	Hasil pengukuran lingkar perut ibu dari balita.	1. ≥ 80 cm (obesitas sentral) 2. < 80 cm (normal)	Skala
21	Lingkar Lengan Atas Ibu	Hasil pengukuran lingkar lengan atas dari ibu yang berusia 15-49 tahun (dalam centimeter)	1. $> 23,5$ cm (normal) 2. $\leq 23,5$ cm (kurang)	Skala
22	Usia Ayah	Lama waktu hidup ayah dari anak balita mulai dari lahir sampai penelitian dilakukan	Dalam tahun	Skala
23	Pendidikan Ayah	Tingkat pendidikan yang ditempuh Ayah dari balita	1: tidak sekolah 2: tidak tamat SD/MI 3: Tamat SD/MI 4: Tamat SMP/SLTA 5: Tamat SMA/SLTA 6: Tamat D1/D2/D3 7: Tamat S1/S2	Nominal
24	Pekerjaan Ayah	Jenis pekerjaan ayah dari balita	1. PNS/TNI/POLRI/ BUMN/BUMD 2. Pegawai swasta 3. Wiraswasta 4. Petani 5. Nelayan 6. Buruh/sopir/PRT 7. Lainnya	Nominal
		Gangguan yang dialami oleh ayah dari anak balita dalam 12 bulan terakhir berupa gejala batuk ≥ 2 minggu disertai dahak atau dahak bercampur darah/batuk berdarah dan berat badan sulit bertambah/menurun atau pernah didiagnosis menderita TB Paru oleh tenaga kesehatan (dokter, perawat/bidan)	1. Tidak 2. Ya	Nominal
		Gangguan yang dialami oleh ayah dari anak balita dalam 12 bulan terakhir berupa gejala demam/panas, lemah, gangguan saluran cerna (mual, muntah, tidak nafsu makan), nyeri pada perut kanan atas, disertai urin berwarna air teh pekat, mata atau	1. Tidak 2. Ya	Nominal



		kulit berwarna kuning atau pernah didiagnosis menderita hepatitis oleh tenaga kesehatan (dokter, perawat/bidan).		
27	Asma/ Mengi/ Bengek pada Ayah	Gangguan saluran pernafasan yang dialami oleh ayah dari anak balita dalam 12 bulan terakhir berupa gejala sesak nafas disertai bunyi (mengi)/rasa tertekan di dada atau terbangun karena dada terasa tertekan di pagi hari atau waktu lainnya. Serangan sesak nafas/terengah-engah tanpa sebab yang jelas ketika tidak sedang berolahraga atau melakukan aktifitas fisik lainnya atau pernah didiagnosis menderita hepatitis oleh tenaga kesehatan (dokter, perawat/bidan).	1. Tidak 2. Ya	Nominal
28	Kanker pada Ayah	kondisi ayah dari balita menderita kanker sesuai diagnosis petugas kesehatan (dokter, perawat/bidan).	1. Tidak 2. Ya	Nominal
29	Penggunaan tembakau ayah	keadaan selama 1 bulan terakhir ayah dari balita merokok/mengunyah tembakau setiap hari.	1. Tidak pernah 2. Ya	Nominal
30	IMT Ayah	Indeks Massa Tubuh ayah dari balita.	3. Kurus 4. Normal 5. Berat badan lebih 6. obesitas	Ordinal
31	Tinggi Badan Ayah	Hasil pengukuran tinggi badan ayah dari balita.	1. ≥ 155 cm (normal) 2. < 155 cm (pendek)	Skala
32	Lingkar Perut Ayah	Hasil pengukuran lingkar perut ayah dari balita.	1. ≥ 90 cm (Obesitas sentral) 2. < 90 cm	Skala
33	Jumlah Anggota RT	banyaknya orang yang tinggal/hidup dalam satu rumah ketika penelitian dilakukan. Jumlah anggota keluarga diukur dengan jiwa	Jumlah anggota keluarga dalam rumah tangga	Skala
34	Jumlah Balita dalam RT	Banyaknya bayi yang berumur di bawah lima tahun yang tinggal dalam satu rumah	Jumlah balita dalam rumah tangga	Skala
	Keka	Skor atau bobot untuk mengukur status ekonomi RT	1. Kuintil 1 (status ekonomi terbawah) 2. Kuintil 2 (status ekonomi menengah bawah) 3. Kuintil 3 (status ekonomi menengah) 4. Kuintil 4 (status ekonomi menengah atas)	Ordinal



			5. Kuintil 5 (status ekonomi teratas)	
36	Waktu Tempuh Ke Sarana Pelayanan Kesehatan (RS, Puskesmas, Dokter/Bidan Praktek)	Angka yang menunjukkan seberapa lama waktu yang dibutuhkan dari rumah anak balita ke sarana pelayanan kesehatan yang terdekat (RS, Puskesmas, Pustu, Dokter praktek, Bidan Praktek)	Waktu tempuh ke sarana pelayanan kesehatan dalam satuan jam dan menit	Skala
37	Pembuangan Air Limbah	Tempat rumah tangga membuang air limbah yang dihasilkan dari kamar mandi/tempat cuci dan dapur	<ol style="list-style-type: none"> 1. Ada penampungan (Tertutup) 2. Ada penampungan (Terbuka) 3. Di luar pekarangan 4. Tidak ada SPAL (langsung ke tanah) 5. Langsung ke got/kali/sungai 	Ordinal
38	Tempat Penampungan Sampah Basah (Organik)	Jenis tempat pengumpulan/penampungan sampah basah (organik) di dalam rumah	<ol style="list-style-type: none"> 1. Tidak ada penampungan 2. Penampungan tertutup 3. Penampungan tertutup dan terbuka 	Ordinal
39	Klasifikasi Desa/Kelurahan	Yaitu kategori tempat tinggal balita	<ol style="list-style-type: none"> 1. Perkotaan 2. Pedesaan 	Nominal
40	UHH (Umur Harapan Hidup)	Umur harapan hidup penduduk di wilayah kabupaten/kota asal balita (dalam tahun)	Agregat kabupaten	Skala
41	Rata-Rata Lama Sekolah	Rata – rata lama sekolah penduduk di suatu wilayah kabupaten/kota (dalam tahun)	Agregat kabupaten	Skala
	Pengeluaran Per penduduk	pengeluaran rata – rata per kapita penduduk di suatu wilayah kabupaten/kota selama setahun (dalam rupiah)	Agregat kabupaten	Skala
		Indikator kunci status pembangunan kesehatan tingkat kabupaten/kota asal balita (dalam bentuk bilangan desimal)	Agregat kabupaten	Skala



44	Persen Penduduk Miskin	Jumlah penduduk miskin dibanding total penduduk di suatu wilayah kabupaten/kota (dalam persentasi)	Agregat kabupaten	Skala
45	<i>Stunting</i>	Masalah gizi kronis pada balita yang ditandai dengan tinggi badan yang lebih pendek dibandingkan dengan anak seusianya (nilai z score < - 2 SD dan < -3SD) sesuai kategori dari Riskesdas	1. Normal 2. <i>Stunting</i>	Nominal
46	Kabupaten	Yaitu kabupaten/kota asal balita	Kabupaten mengikuti kode kabupaten dari BPS	Nominal



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OBJECTID	NAME_1	NAME_2	07persen_1	Klaster	13persen_2	Klaster1	18persen_2	Klaster2	07_13	13_18	07_18	2023	Klaster3	2026	Klaster4
271	Papua	Yalimo	0	0	42	4	0	0	6	4	6	0	0	0	0
444	Yogyakarta	Kota Yogyakarta	24	2	26	2	8	1	0	1	1	1	1	-3	1
239	Papua Barat	Teluk Wondama	48	4	28	2	10	1	2	1	3	3	1	-1	1
200	Bali	Gianyar	29	2	41	4	11	1	-2	3	1	4	1	0	1
204	Bali	Tabanan	30	3	30	3	12	1	0	2	2	5	1	1	1
372	Bangka Belitung	Kota Pangkalpinang	37	3	16	1	14	1	2	0	2	7	1	3	1
173	Lampung	Kota Metro	36	3	47	4	14	1	-1	3	2	7	1	3	1
469	Gorontalo	Kota Gorontalo	41	4	27	2	15	1	2	1	3	8	1	4	1
199	Bali	Kota Denpasar	32	3	29	2	15	1	1	1	2	8	1	4	1
485	Jambi	Sarolangun	41	4	38	3	15	1	1	2	3	8	1	4	1
471	Jakarta Raya	Kota Jakarta Barat	30	3	39	3	15	1	0	2	2	8	1	4	1
378	Sumatera Barat	Kota Payakumbuh	57	4	29	2	16	1	2	1	3	9	1	5	1
65	Jawa Timur	Kota Mojokerto	22	2	30	3	16	1	-1	2	1	9	1	5	1
459	Bengkulu	Kota Bengkulu	32	3	32	3	16	1	0	2	2	9	1	5	1
283	Riau	Kota Dumai	37	3	36	3	16	1	0	2	2	9	1	5	1
273	Papua	Deiyai	0	0	20	2	17	1	6	0	6	10	1	6	1
474	Jakarta Raya	Kota Jakarta Timur	34	3	23	2	17	1	1	1	2	10	1	6	1
380	Sumatera Barat	Kota Sawahlunto	37	3	25	2	17	1	1	1	2	10	1	6	1
494	Jawa Barat	Kota Bekasi	29	2	27	2	17	1	0	1	1	10	1	6	1
371	Bangka Belitung	Belitung	38	3	27	2	17	1	1	1	2	10	1	6	1
473	Jakarta Raya	Kota Jakarta Selatan	18	1	28	2	17	1	-1	1	0	10	1	6	1
375	Sumatera Barat	Kota Pariaman	28	2	45	4	17	1	-2	3	1	10	1	6	1
489	Jawa Barat	Kota Depok	33	3	24	2	18	1	1	1	2	11	1	7	1
106	Kalimantan Barat	Kota Pontianak	26	2	26	2	18	1	0	1	1	11	1	7	1
475	Jakarta Raya	Kota Jakarta Utara	36	3	27	2	18	1	1	1	2	11	1	7	1
449	Banten	Kota Tangerang	32	3	30	3	18	1	0	2	2	11	1	7	1
360	Sulawesi Utara	Bolaang Mongondow Utara	0	0	52	4	18	1	6	3	6	11	1	7	1
357	Sulawesi Utara	Kota Tomohon	29	2	24	2	19	1	0	1	1	12	1	8	1
384	Sulawesi Selatan	Kota Bukittinggi	31	3	27	2	19	1	1	1	2	12	1	8	1
381	Sulawesi Selatan	Sleman	25	2	30	3	19	1	-1	2	1	12	1	8	1
382	Sulawesi Selatan	Kota Tebingtinggi	40	4	30	3	19	1	1	2	3	12	1	8	1
383	Sulawesi Selatan	Muna	43	4	38	3	19	1	1	2	3	12	1	8	1
385	Sulawesi Selatan	Kota Prabumulih	33	3	39	3	19	1	0	2	2	12	1	8	1
386	Sulawesi Selatan	Nabire	29	2	41	4	19	1	-2	3	1	12	1	8	1
387	Sulawesi Selatan	Fakfak	44	4	41	4	19	1	0	3	3	12	1	8	1



167	Lampung	Pesisir Barat	0	0	0	0	20	2	6	6	6	13	1	9	1
329	Sulawesi Tengah	Morowali Utara	0	0	0	0	20	2	6	6	6	13	1	9	1
159	Kepulauan Riau	Kota Tanjungpinang	17	1	21	2	20	2	-1	1	0	13	1	9	1
472	Jakarta Raya	Kota Jakarta Pusat	28	2	26	2	20	2	0	1	1	13	1	9	1
153	Kepulauan Riau	Kota Batam	23	2	28	2	20	2	0	1	1	13	1	9	1
365	Sulawesi Utara	Kota Manado	34	3	28	2	20	2	1	1	2	13	1	9	1
370	Bangka Belitung	Belitung Timur	47	4	30	3	20	2	1	2	3	13	1	9	1
289	Riau	Kota Pekanbaru	41	4	33	3	20	2	1	2	3	13	1	9	1
252	Papua	Kota Jayapura	29	2	37	3	20	2	-1	2	1	13	1	9	1
355	Sulawesi Utara	Minahasa	31	3	38	3	20	2	0	2	2	13	1	9	1
107	Kalimantan Barat	Kubu Raya	0	0	39	3	20	2	6	2	6	13	1	9	1
276	Papua	Jayapura	31	3	41	4	20	2	-1	3	2	13	1	9	1
170	Lampung	Lampung Timur	57	4	41	4	20	2	0	3	3	13	1	9	1
391	Sumatera Barat	Padang Pariaman	44	4	45	4	20	2	0	3	3	13	1	9	1
453	Banten	Kota Tangerang Selatan	0	0	27	2	21	2	6	0	6	14	1	10	1
8	Aceh	Kota Langsa	45	4	27	2	21	2	2	0	2	14	1	10	1
213	Nusa Tenggara Barat	Kota Mataram	38	3	41	4	21	2	-1	2	1	14	1	10	1
484	Jambi	Muaro Jambi	28	2	47	4	21	2	-2	2	0	14	1	10	1
344	Sulawesi Tenggara	Buton Tengah	0	0	0	0	22	2	6	6	6	15	1	11	1
183	Maluku Utara	Kota Ternate	23	2	24	2	22	2	0	0	0	15	1	11	1
442	Yogyakarta	Bantul	28	2	25	2	22	2	0	0	0	15	1	11	1
257	Papua	Merauke	27	2	27	2	22	2	0	0	0	15	1	11	1
64	Jawa Timur	Kota Malang	25	2	30	3	22	2	-1	1	0	15	1	11	1
390	Sumatera Barat	Kota Padang Panjang	36	3	31	3	22	2	0	1	1	15	1	11	1
480	Jambi	Bungo	47	4	34	3	22	2	1	1	2	15	1	11	1
161	Lampung	Pringsewu	0	0	37	3	22	2	6	1	6	15	1	11	1
240	Papua Barat	Kaimana	41	4	38	3	22	2	1	1	2	15	1	11	1
345	Sulawesi Tenggara	Kota Kendari	37	3	39	3	22	2	0	1	1	15	1	11	1
174	Lampung	Pesawaran	0	0	49	4	22	2	6	2	6	15	1	11	1
		Badung	32	3	24	2	23	2	1	0	1	16	1	12	1
		Kota Cimahi	36	3	24	2	23	2	1	0	1	16	1	12	1
		Kulon Progo	32	3	26	2	23	2	1	0	1	16	1	12	1
		Bangka Tengah	37	3	26	2	23	2	1	0	1	16	1	12	1
		Siak	30	3	27	2	23	2	1	0	1	16	1	12	1
		Kota Ambon	56	4	29	2	23	2	2	0	2	16	1	12	1
		Kota Probolinggo	30	3	33	3	23	2	0	1	1	16	1	12	1



447	Banten	Kota Cilegon	43	4	36	3	23	2	1	1	2	16	1	12	1
265	Papua	Puncak	0	0	37	3	23	2	6	1	6	16	1	12	1
425	Sumatera Utara	Kota Pematangsiantar	32	3	38	3	23	2	0	1	1	16	1	12	1
135	Kalimantan Tengah	Kotawaringin Barat	43	4	38	3	23	2	1	1	2	16	1	12	1
143	Kalimantan Utara	Kota Tarakan	33	3	39	3	23	2	0	1	1	16	1	12	1
297	Sulawesi Selatan	Bantaeng	39	3	44	4	23	2	-1	2	1	16	1	12	1
464	Bengkulu	Rejang Lebong	39	3	44	4	23	2	-1	2	1	16	1	12	1
359	Sulawesi Utara	Bolaang Mongondow Timur	0	0	46	4	23	2	6	2	6	16	1	12	1
57	Jawa Tengah	Demak	47	4	46	4	23	2	0	2	2	16	1	12	1
158	Kepulauan Riau	Natuna	36	3	27	2	24	2	1	0	1	17	1	13	1
66	Jawa Timur	Kota Pasuruan	30	3	30	3	24	2	0	1	1	17	1	13	1
214	Nusa Tenggara Barat	Sumbawa Barat	45	4	30	3	24	2	1	1	2	17	1	13	1
448	Banten	Kota Serang	0	0	32	3	24	2	6	1	6	17	1	13	1
33	Jawa Tengah	Kota Tegal	47	4	36	3	24	2	1	1	2	17	1	13	1
157	Kepulauan Riau	Lingga	54	4	36	3	24	2	1	1	2	17	1	13	1
353	Sulawesi Utara	Minahasa Tenggara	0	0	37	3	24	2	6	1	6	17	1	13	1
323	Sulawesi Tengah	Tojo Una-Una	33	3	37	3	24	2	0	1	1	17	1	13	1
363	Sulawesi Utara	Kepulauan Talaud	31	3	38	3	24	2	0	1	1	17	1	13	1
28	Jawa Tengah	Kendal	41	4	38	3	24	2	1	1	2	17	1	13	1
493	Jawa Barat	Kota Bandung	31	3	39	3	24	2	0	1	1	17	1	13	1
362	Sulawesi Utara	Kepulauan Sangihe	33	3	39	3	24	2	0	1	1	17	1	13	1
129	Kalimantan Tengah	Sukamara	60	4	39	3	24	2	1	1	2	17	1	13	1
242	Papua Barat	Manokwari	52	4	46	4	24	2	0	2	2	17	1	13	1
87	Jawa Timur	Kota Surabaya	32	3	22	2	25	2	1	0	1	18	1	14	1
138	Kalimantan Timur	Kota Balikpapan	30	3	28	2	25	2	1	0	1	18	1	14	1
140	Kalimantan Timur	Penajam Paser Utara	30	3	28	2	25	2	1	0	1	18	1	14	1
388	Sumatera Barat	Kota Solok	38	3	28	2	25	2	1	0	1	18	1	14	1
141	Kalimantan Timur	Kota Samarinda	36	3	32	3	25	2	0	1	1	18	1	14	1
151	Kalimantan Utara	Malinau	28	2	33	3	25	2	-1	1	0	18	1	14	1
		Kota Magelang	40	4	33	3	25	2	1	1	2	18	1	14	1
		Simalungun	43	4	33	3	25	2	1	1	2	18	1	14	1
		Lampung Utara	40	4	34	3	25	2	1	1	2	18	1	14	1
		Kepulauan Meranti	0	0	37	3	25	2	6	1	6	18	1	14	1
		Fanggamus	51	4	37	3	25	2	1	1	2	18	1	14	1
		Konawe Selatan	50	4	38	3	25	2	1	1	2	18	1	14	1
		Pohuwato	37	3	39	3	25	2	0	1	1	18	1	14	1



70	Jawa Timur	Banyuwangi	45	4	39	3	25	2	1	1	2	18	1	14	1
126	Kalimantan Tengah	Kota Palangkaraya	34	3	41	4	25	2	-1	2	1	18	1	14	1
356	Sulawesi Utara	Kepulauan Siau Tagulandang Biaro	0	0	42	4	25	2	6	2	6	18	1	14	1
409	Sumatera Utara	Asahan	43	4	42	4	25	2	0	2	2	18	1	14	1
190	Maluku	Kepulauan Aru	64	4	43	4	25	2	0	2	2	18	1	14	1
419	Sumatera Utara	Batu Bara	0	0	52	4	25	2	6	2	6	18	1	14	1
281	Riau	Rokan Hulu	25	2	55	4	25	2	-2	2	0	18	1	14	1
397	Sumatera Selatan	Kota Palembang	43	4	28	2	26	2	2	0	2	19	1	15	1
128	Kalimantan Tengah	Seruyan	28	2	29	2	26	2	0	0	0	19	1	15	1
72	Jawa Timur	Magetan	53	4	29	2	26	2	2	0	2	19	1	15	1
4	Aceh	Kota Banda Aceh	46	4	30	3	26	2	1	1	2	19	1	15	1
61	Jawa Timur	Kota Blitar	30	3	32	3	26	2	0	1	1	19	1	15	1
90	Jawa Timur	Tulungagung	35	3	32	3	26	2	0	1	1	19	1	15	1
258	Papua	Mimika	37	3	32	3	26	2	0	1	1	19	1	15	1
441	Sumatera Utara	Kota Medan	44	4	32	3	26	2	1	1	2	19	1	15	1
309	Sulawesi Selatan	Soppeng	29	2	33	3	26	2	-1	1	0	19	1	15	1
454	Banten	Tangerang	40	4	34	3	26	2	1	1	2	19	1	15	1
146	Kalimantan Utara	Bulungan	55	4	34	3	26	2	1	1	2	19	1	15	1
198	Bali	Buleleng	34	3	35	3	26	2	0	1	1	19	1	15	1
385	Sumatera Barat	Tanah Datar	42	4	36	3	26	2	1	1	2	19	1	15	1
46	Jawa Tengah	Batang	48	4	36	3	26	2	1	1	2	19	1	15	1
44	Jawa Tengah	Semarang	32	3	37	3	26	2	0	1	1	19	1	15	1
49	Jawa Tengah	Tegal	47	4	38	3	26	2	1	1	2	19	1	15	1
24	Jawa Tengah	Banjarnegara	49	4	38	3	26	2	1	1	2	19	1	15	1
193	Maluku	Maluku Tenggara Barat	41	4	39	3	26	2	1	1	2	19	1	15	1
266	Papua	Sarmi	22	2	40	4	26	2	-2	2	0	19	1	15	1
374	Sumatera Barat	Kota Padang	33	3	42	4	26	2	-1	2	1	19	1	15	1
394	Sumatera Selatan	Ogan Komering Ulu Timur	40	4	42	4	26	2	0	2	2	19	1	15	1
192	Maluku	Maluku Tengah	56	4	43	4	26	2	0	2	2	19	1	15	1
		Kota Bandar Lampung	24	2	45	4	26	2	-2	2	0	19	1	15	1
		Halmahera Tengah	62	4	46	4	26	2	0	2	2	19	1	15	1
		Tanjung Jabung Timur	40	4	51	4	26	2	0	2	2	19	1	15	1
		Klungkung	35	3	25	2	27	2	1	0	1	20	2	16	1
		Kota Lubuklinggau	38	3	27	2	27	2	1	0	1	20	2	16	1
		Kota Jambi	26	2	28	2	27	2	0	0	0	20	2	16	1
		Lamandau	48	4	28	2	27	2	2	0	2	20	2	16	1



	Tengah														
94	Jawa Timur	Gresik	30	3	31	3	27	2	0	1	1	20	2	16	1
428	Sumatera Utara	Kota Sibolga	47	4	32	3	27	2	1	1	2	20	2	16	1
330	Sulawesi Tengah	Kota Palu	42	4	36	3	27	2	1	1	2	20	2	16	1
436	Sumatera Utara	Deli Serdang	44	4	37	3	27	2	1	1	2	20	2	16	1
393	Sumatera Selatan	Ogan Komering Ulu Selatan	48	4	37	3	27	2	1	1	2	20	2	16	1
288	Riau	Kuantan Singingi	31	3	40	4	27	2	-1	2	1	20	2	16	1
408	Sumatera Selatan	Ogan Komering Ilir	56	4	41	4	27	2	0	2	2	20	2	16	1
466	Gorontalo	Bone Bolango	44	4	43	4	27	2	0	2	2	20	2	16	1
246	Papua Barat	Raja Ampat	42	4	44	4	27	2	0	2	2	20	2	16	1
100	Kalimantan Barat	Sekadau	52	4	44	4	27	2	0	2	2	20	2	16	1
113	Kalimantan Selatan	Tanah Bumbu	32	3	45	4	27	2	-1	2	1	20	2	16	1
476	Jakarta Raya	Kepulauan Seribu	38	3	45	4	27	2	-1	2	1	20	2	16	1
382	Sumatera Barat	Solok Selatan	26	2	46	4	27	2	-2	2	0	20	2	16	1
431	Sumatera Utara	Tapanuli Selatan	30	3	46	4	27	2	-1	2	1	20	2	16	1
426	Sumatera Utara	Samosir	35	3	47	4	27	2	-1	2	1	20	2	16	1
121	Kalimantan Selatan	Hulu Sungai Tengah	46	4	50	4	27	2	0	2	2	20	2	16	1
169	Lampung	Lampung Tengah	35	3	57	4	27	2	-1	2	1	20	2	16	1
148	Kalimantan Timur	Mahakam Ulu	0	0	17	1	28	2	6	-1	6	21	2	17	1
351	Sulawesi Utara	Kota Bitung	25	2	19	1	28	2	1	-1	0	21	2	17	1
156	Kepulauan Riau	Kepulauan Anambas	0	0	25	2	28	2	6	0	6	21	2	17	1
71	Jawa Timur	Madiun	38	3	29	2	28	2	1	0	1	21	2	17	1
77	Jawa Timur	Pacitan	40	4	29	2	28	2	2	0	2	21	2	17	1
54	Jawa Tengah	Boyolali	32	3	31	3	28	2	0	1	1	21	2	17	1
163	Lampung	Tulang Bawang Barat	0	0	33	3	28	2	6	1	6	21	2	17	1
154	Kepulauan Riau	Bintan	54	4	33	3	28	2	1	1	2	21	2	17	1
457	Bengkulu	Bengkulu Tengah	0	0	38	3	28	2	6	1	6	21	2	17	1
254	Papua	Mamberamo Raya	0	0	39	3	28	2	6	1	6	21	2	17	1
386	Sumatera Barat	Dharmasraya	31	3	40	4	28	2	-1	2	1	21	2	17	1
248	Papua Barat	Sorong	30	3	42	4	28	2	-1	2	1	21	2	17	1
		Pelalawan	31	3	42	4	28	2	-1	2	1	21	2	17	1
		Pekalongan	46	4	44	4	28	2	0	2	2	21	2	17	1
		Kudus	36	3	46	4	28	2	-1	2	1	21	2	17	1
		Kolaka Timur	0	0	0	0	29	2	6	6	6	22	2	18	1
		Wakatobi	56	4	12	1	29	2	3	-1	2	22	2	18	1
		Bengkalis	29	2	22	2	29	2	0	0	0	22	2	18	1



508	Jawa Barat	Bekasi	31	3	26	2	29	2	1	0	1	22	2	18	1
369	Bangka Belitung	Bangka	36	3	28	2	29	2	1	0	1	22	2	18	1
373	Sumatera Barat	Agam	37	3	29	2	29	2	1	0	1	22	2	18	1
84	Jawa Timur	Sidoarjo	43	4	29	2	29	2	2	0	2	22	2	18	1
498	Jawa Barat	Kota Tasikmalaya	46	4	31	3	29	2	1	1	2	22	2	18	1
367	Bangka Belitung	Bangka Selatan	45	4	34	3	29	2	1	1	2	22	2	18	1
118	Kalimantan Selatan	Kota Banjarmasin	47	4	34	3	29	2	1	1	2	22	2	18	1
202	Bali	Karangasem	44	4	35	3	29	2	1	1	2	22	2	18	1
42	Jawa Tengah	Rembang	53	4	35	3	29	2	1	1	2	22	2	18	1
452	Banten	Serang	50	4	36	3	29	2	1	1	2	22	2	18	1
208	Nusa Tenggara Barat	Kota Bima	59	4	36	3	29	2	1	1	2	22	2	18	1
313	Sulawesi Selatan	Wajo	20	2	37	3	29	2	-2	1	-1	22	2	18	1
189	Maluku	Buru	43	4	37	3	29	2	1	1	2	22	2	18	1
440	Sumatera Utara	Kota Binjai	40	4	38	3	29	2	1	1	2	22	2	18	1
507	Jawa Barat	Kota Banjar	31	3	42	4	29	2	-1	2	1	22	2	18	1
172	Lampung	Mesuji	0	0	43	4	29	2	6	2	6	22	2	18	1
379	Sumatera Barat	Pesisir Selatan	40	4	48	4	29	2	0	2	2	22	2	18	1
53	Jawa Tengah	Blora	51	4	55	4	29	2	0	2	2	22	2	18	1
414	Sumatera Utara	Langkat	43	4	56	4	29	2	0	2	2	22	2	18	1
32	Jawa Tengah	Kota Semarang	47	4	24	2	30	3	2	-1	1	23	2	19	1
26	Jawa Tengah	Karanganyar	52	4	28	2	30	3	2	-1	1	23	2	19	1
352	Sulawesi Utara	Minahasa Selatan	36	3	29	2	30	3	1	-1	0	23	2	19	1
63	Jawa Timur	Kota Madiun	24	2	30	3	30	3	-1	0	-1	23	2	19	1
495	Jawa Barat	Kota Bogor	30	3	31	3	30	3	0	0	0	23	2	19	1
62	Jawa Timur	Kota Kediri	34	3	31	3	30	3	0	0	0	23	2	19	1
509	Jawa Barat	Bogor	35	3	31	3	30	3	0	0	0	23	2	19	1
74	Jawa Timur	Mojokerto	24	2	32	3	30	3	-1	0	-1	23	2	19	1
286	Riau	Kampar	20	2	33	3	30	3	-2	0	-2	23	2	19	1
80	Jawa Timur	Ponorogo	35	3	34	3	30	3	0	0	0	23	2	19	1
114	Kalimantan Selatan	Tanah Laut	50	4	35	3	30	3	1	0	1	23	2	19	1
304	Sulawesi Selatan	Kota Parepare	36	3	37	3	30	3	0	0	0	23	2	19	1
	Kalimantan	Fabalong	46	4	37	3	30	3	1	0	1	23	2	19	1
		Wonosobo	47	4	40	4	30	3	0	1	1	23	2	19	1
		Poso	31	3	41	4	30	3	-1	1	0	23	2	19	1
		Nganjuk	38	3	41	4	30	3	-1	1	0	23	2	19	1
		Lampung Selatan	40	4	42	4	30	3	0	1	1	23	2	19	1
		Karo	47	4	42	4	30	3	0	1	1	23	2	19	1
		Keerom	28	2	45	4	30	3	-2	1	-1	23	2	19	1



364	Sulawesi Utara	Kota Kotamobagu	0	0	46	4	30	3	6	1	6	23	2	19	1
261	Papua	Biak Numfor	33	3	48	4	30	3	-1	1	0	23	2	19	1
347	Sulawesi Tenggara	Kolaka	42	4	48	4	30	3	0	1	1	23	2	19	1
123	Kalimantan Selatan	Kotabaru	31	3	49	4	30	3	-1	1	0	23	2	19	1
244	Papua Barat	Pegunungan Arfak	0	0	0	0	31	3	6	6	6	24	2	20	2
150	Kalimantan Timur	Kutai Timur	36	3	23	2	31	3	1	-1	0	24	2	20	2
144	Kalimantan Timur	Berau	42	4	24	2	31	3	2	-1	1	24	2	20	2
51	Jawa Tengah	Wonogiri	25	2	26	2	31	3	0	-1	-1	24	2	20	2
139	Kalimantan Timur	Paser	40	4	29	2	31	3	2	-1	1	24	2	20	2
41	Jawa Tengah	Purworejo	43	4	31	3	31	3	1	0	1	24	2	20	2
300	Sulawesi Selatan	Kota Makassar	28	2	33	3	31	3	-1	0	-1	24	2	20	2
101	Kalimantan Barat	Kota Singkawang	34	3	33	3	31	3	0	0	0	24	2	20	2
232	Nusa Tenggara Timur	Kota Kupang	37	3	34	3	31	3	0	0	0	24	2	20	2
462	Bengkulu	Lebong	49	4	34	3	31	3	1	0	1	24	2	20	2
456	Bengkulu	Seluma	34	3	35	3	31	3	0	0	0	24	2	20	2
492	Jawa Barat	Karawang	44	4	36	3	31	3	1	0	1	24	2	20	2
85	Jawa Timur	Situbondo	45	4	36	3	31	3	1	0	1	24	2	20	2
381	Sumatera Barat	Sijunjung	49	4	37	3	31	3	1	0	1	24	2	20	2
127	Kalimantan Tengah	Pulang Pisau	43	4	38	3	31	3	1	0	1	24	2	20	2
320	Sulawesi Selatan	Luwu Timur	15	1	39	3	31	3	-2	0	-2	24	2	20	2
301	Sulawesi Selatan	Maros	25	2	39	3	31	3	-1	0	-1	24	2	20	2
89	Jawa Timur	Tuban	39	3	39	3	31	3	0	0	0	24	2	20	2
404	Sumatera Selatan	Musi Banyuasin	39	3	39	3	31	3	0	0	0	24	2	20	2
81	Jawa Timur	Kota Batu	40	4	39	3	31	3	1	0	1	24	2	20	2
12	Aceh	Aceh Barat	39	3	41	4	31	3	-1	1	0	24	2	20	2
293	Sulawesi Barat	Mamuju Utara	43	4	43	4	31	3	0	1	1	24	2	20	2
188	Maluku	Buru Selatan	0	0	46	4	31	3	6	1	6	24	2	20	2
461	Bengkulu	Kepahiang	48	4	48	4	31	3	0	1	1	24	2	20	2
195	Maluku	Seram Bagian Barat	39	3	53	4	31	3	-1	1	0	24	2	20	2
147	Kalimantan Timur	Kutai Barat	31	3	31	3	32	3	0	0	0	25	2	21	2
264	Papua	Puncak Jaya	0	0	32	3	32	3	6	0	6	25	2	21	2
		Kebumen	39	3	33	3	32	3	0	0	0	25	2	21	2
		Membrana	39	3	33	3	32	3	0	0	0	25	2	21	2
		Ende	40	4	33	3	32	3	1	0	1	25	2	21	2
		Banyumas	35	3	36	3	32	3	0	0	0	25	2	21	2
		Musi Rawas	41	4	36	3	32	3	1	0	1	25	2	21	2
		Batang Hari	33	3	37	3	32	3	0	0	0	25	2	21	2



503	Jawa Barat	Subang	40	4	37	3	32	3	1	0	1	25	2	21	2
40	Jawa Tengah	Purbalingga	41	4	38	3	32	3	1	0	1	25	2	21	2
387	Sumatera Barat	Kepulauan Mentawai	32	3	39	3	32	3	0	0	0	25	2	21	2
205	Nusa Tenggara Barat	Bima	51	4	39	3	32	3	1	0	1	25	2	21	2
263	Papua	Pegunungan Bintang	0	0	45	4	32	3	6	1	6	25	2	21	2
299	Sulawesi Selatan	Luwu	24	2	45	4	32	3	-2	1	-1	25	2	21	2
315	Sulawesi Selatan	Bulukumba	28	2	45	4	32	3	-2	1	-1	25	2	21	2
206	Nusa Tenggara Barat	Sumbawa	47	4	51	4	32	3	0	1	1	25	2	21	2
437	Sumatera Utara	Kota Gunungsitoli	0	0	56	4	32	3	6	1	6	25	2	21	2
122	Kalimantan Selatan	Hulu Sungai Utara	50	4	57	4	32	3	0	1	1	25	2	21	2
181	Maluku Utara	Pulau Taliabu	0	0	0	0	33	3	6	6	6	26	2	22	2
338	Sulawesi Tenggara	Muna Barat	0	0	0	0	33	3	6	6	6	26	2	22	2
302	Sulawesi Selatan	Kota Palopo	23	2	28	2	33	3	0	-1	-1	26	2	22	2
91	Jawa Timur	Blitar	41	4	30	3	33	3	1	0	1	26	2	22	2
50	Jawa Tengah	Temanggung	45	4	31	3	33	3	1	0	1	26	2	22	2
152	Kalimantan Utara	Nunukan	49	4	35	3	33	3	1	0	1	26	2	22	2
308	Sulawesi Selatan	Barru	37	3	36	3	33	3	0	0	0	26	2	22	2
221	Nusa Tenggara Timur	Sikka	59	4	37	3	33	3	1	0	1	26	2	22	2
285	Riau	Indragiri Hulu	34	3	38	3	33	3	0	0	0	26	2	22	2
479	Jambi	Tebo	40	4	39	3	33	3	1	0	1	26	2	22	2
131	Kalimantan Tengah	Barito Utara	48	4	39	3	33	3	1	0	1	26	2	22	2
20	Aceh	Aceh Singkil	52	4	39	3	33	3	1	0	1	26	2	22	2
505	Jawa Barat	Sumedang	36	3	40	4	33	3	-1	1	0	26	2	22	2
395	Sumatera Selatan	Ogan Komering Ulu	45	4	40	4	33	3	0	1	1	26	2	22	2
179	Maluku Utara	Halmahera Utara	45	4	41	4	33	3	0	1	1	26	2	22	2
175	Maluku Utara	Halmahera Barat	50	4	41	4	33	3	0	1	1	26	2	22	2
512	Jawa Barat	Cianjur	52	4	41	4	33	3	0	1	1	26	2	22	2
		Barito Kuala	48	4	44	4	33	3	0	1	1	26	2	22	2
		Labuhanbatu Utara	0	0	45	4	33	3	6	1	6	26	2	22	2
		Kota Tual	0	0	48	4	33	3	6	1	6	26	2	22	2
		Kerinci	50	4	55	4	33	3	0	1	1	26	2	22	2
		Penukal Abab Lematang Ilir	0	0	0	0	34	3	6	6	6	27	2	23	2
		Kota Salatiga	26	2	17	1	34	3	1	-2	-1	27	2	23	2



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155	Kepulauan Riau	Karimun	30	3	26	2	34	3	1	-1	0	27	2	23	2
496	Jawa Barat	Kota Cirebon	41	4	26	2	34	3	2	-1	1	27	2	23	2
250	Papua	Asmat	28	2	29	2	34	3	0	-1	-1	27	2	23	2
487	Jambi	Tanjung Jabung Barat	41	4	31	3	34	3	1	0	1	27	2	23	2
88	Jawa Timur	Trenggalek	35	3	36	3	34	3	0	0	0	27	2	23	2
45	Jawa Tengah	Sragen	47	4	36	3	34	3	1	0	1	27	2	23	2
166	Lampung	Lampung Barat	45	4	37	3	34	3	1	0	1	27	2	23	2
413	Sumatera Utara	Labuhanbatu	42	4	38	3	34	3	1	0	1	27	2	23	2
463	Bengkulu	Mukomuko	31	3	39	3	34	3	0	0	0	27	2	23	2
490	Jawa Barat	Garut	41	4	39	3	34	3	1	0	1	27	2	23	2
500	Jawa Barat	Kuningan	40	4	40	4	34	3	0	1	1	27	2	23	2
435	Sumatera Utara	Toba Samosir	39	3	42	4	34	3	-1	1	0	27	2	23	2
361	Sulawesi Utara	Bolaang Mongondow	39	3	45	4	34	3	-1	1	0	27	2	23	2
358	Sulawesi Utara	Bolaang Mongondow Selatan	0	0	46	4	34	3	6	1	6	27	2	23	2
39	Jawa Tengah	Pemalang	41	4	46	4	34	3	0	1	1	27	2	23	2
410	Sumatera Utara	Kota Tanjungbalai	46	4	46	4	34	3	0	1	1	27	2	23	2
164	Lampung	Tulang Bawang	53	4	47	4	34	3	0	1	1	27	2	23	2
212	Nusa Tenggara Barat	Lombok Utara	0	0	64	4	34	3	6	1	6	27	2	23	2
47	Jawa Tengah	Sukoharjo	40	4	29	2	35	3	2	-1	1	28	2	24	2
25	Jawa Tengah	Jepara	31	3	33	3	35	3	0	0	0	28	2	24	2
29	Jawa Tengah	Klaten	47	4	33	3	35	3	1	0	1	28	2	24	2
467	Gorontalo	Gorontalo Utara	0	0	34	3	35	3	6	0	6	28	2	24	2
96	Jawa Timur	Jombang	37	3	34	3	35	3	0	0	0	28	2	24	2
491	Jawa Barat	Indramayu	37	3	34	3	35	3	0	0	0	28	2	24	2
269	Papua	Waropen	66	4	34	3	35	3	1	0	1	28	2	24	2
56	Jawa Tengah	Cilacap	32	3	36	3	35	3	0	0	0	28	2	24	2
458	Bengkulu	Bengkulu Utara	33	3	37	3	35	3	0	0	0	28	2	24	2
392	Sumatera Selatan	Banyu Asin	42	4	37	3	35	3	1	0	1	28	2	24	2
105	Kalimantan Barat	Ketapang	39	3	38	3	35	3	0	0	0	28	2	24	2
69	Jawa Timur	Lumajang	48	4	38	3	35	3	1	0	1	28	2	24	2
		Toli-Toli	33	3	40	4	35	3	-1	1	0	28	2	24	2
		Merangin	38	3	40	4	35	3	-1	1	0	28	2	24	2
		Ciamis	38	3	40	4	35	3	-1	1	0	28	2	24	2
		Pangandaran	38	3	40	4	35	3	-1	1	0	28	2	24	2
		Kota Sukabumi	44	4	40	4	35	3	0	1	1	28	2	24	2
		Aceh Selatan	52	4	40	4	35	3	0	1	1	28	2	24	2
		Dairi	58	4	40	4	35	3	0	1	1	28	2	24	2



31	Jawa Tengah	Kota Pekalongan	32	3	41	4	35	3	-1	1	0	28	2	24	2
340	Sulawesi Tenggara	Bombana	31	3	42	4	35	3	-1	1	0	28	2	24	2
194	Maluku	Maluku Tenggara	56	4	42	4	35	3	0	1	1	28	2	24	2
514	Jawa Barat	Cirebon	37	3	43	4	35	3	-1	1	0	28	2	24	2
120	Kalimantan Selatan	Hulu Sungai Selatan	53	4	46	4	35	3	0	1	1	28	2	24	2
207	Nusa Tenggara Barat	Dompu	42	4	47	4	35	3	0	1	1	28	2	24	2
21	Aceh	Aceh Tamiang	45	4	48	4	35	3	0	1	1	28	2	24	2
328	Sulawesi Tengah	Morowali	51	4	52	4	35	3	0	1	1	28	2	24	2
336	Sulawesi Tenggara	Konawe Kepulauan	0	0	0	0	36	3	6	6	6	29	2	25	2
9	Aceh	Kota Lhokseumawe	38	3	28	2	36	3	1	-1	0	29	2	25	2
354	Sulawesi Utara	Minahasa Utara	37	3	29	2	36	3	1	-1	0	29	2	25	2
145	Kalimantan Timur	Kota Bontang	35	3	30	3	36	3	0	0	0	29	2	25	2
60	Jawa Timur	Kediri	25	2	34	3	36	3	-1	0	-1	29	2	25	2
14	Aceh	Kota Sabang	50	4	34	3	36	3	1	0	1	29	2	25	2
97	Kalimantan Barat	Bengkayang	50	4	34	3	36	3	1	0	1	29	2	25	2
99	Kalimantan Barat	Sanggau	50	4	34	3	36	3	1	0	1	29	2	25	2
341	Sulawesi Tenggara	Buton Utara	0	0	35	3	36	3	6	0	6	29	2	25	2
197	Bali	Bangli	38	3	38	3	36	3	0	0	0	29	2	25	2
284	Riau	Indragiri Hilir	41	4	38	3	36	3	1	0	1	29	2	25	2
350	Sulawesi Tenggara	Konawe Utara	0	0	39	3	36	3	6	0	6	29	2	25	2
3	Aceh	Aceh Utara	37	3	39	3	36	3	0	0	0	29	2	25	2
468	Gorontalo	Gorontalo	49	4	39	3	36	3	1	0	1	29	2	25	2
92	Jawa Timur	Bojonegoro	31	3	40	4	36	3	-1	1	0	29	2	25	2
184	Maluku Utara	Kota Tidore Kepulauan	44	4	45	4	36	3	0	1	1	29	2	25	2
319	Sulawesi Selatan	Kepulauan Selayar	23	2	47	4	36	3	-2	1	-1	29	2	25	2
86	Jawa Timur	Sumenep	48	4	48	4	36	3	0	1	1	29	2	25	2
210	Nusa Tenggara Barat	Lombok Tengah	51	4	49	4	36	3	0	1	1	29	2	25	2
		Kepulauan Sula	34	3	50	4	36	3	-1	1	0	29	2	25	2
		Aceh Tengah	52	4	55	4	36	3	0	1	1	29	2	25	2
		Jayawijaya	43	4	63	4	36	3	0	1	1	29	2	25	2
		Kutai Kartanegara	42	4	27	2	37	3	2	-1	1	30	3	26	2
		Lima Puluh Kota	27	2	28	2	37	3	0	-1	-1	30	3	26	2
		Pidie Jaya	0	0	35	3	37	3	6	0	6	30	3	26	2
		Purwakarta	34	3	35	3	37	3	0	0	0	30	3	26	2
		Pati	44	4	36	3	37	3	1	0	1	30	3	26	2



335	Sulawesi Tenggara	Konawe	33	3	39	3	37	3	0	0	0	30	3	26	2
366	Bangka Belitung	Bangka Barat	28	2	40	4	37	3	-2	1	-1	30	3	26	2
110	Kalimantan Barat	Pontianak	29	2	41	4	37	3	-2	1	-1	30	3	26	2
117	Kalimantan Selatan	Banjar	54	4	45	4	37	3	0	1	1	30	3	26	2
115	Kalimantan Selatan	Tapin	40	4	46	4	37	3	0	1	1	30	3	26	2
104	Kalimantan Barat	Kayong Utara	0	0	47	4	37	3	6	1	6	30	3	26	2
423	Sumatera Utara	Kota Padang Sidempuan	36	3	47	4	37	3	-1	1	0	30	3	26	2
176	Maluku Utara	Halmahera Selatan	38	3	48	4	37	3	-1	1	0	30	3	26	2
460	Bengkulu	Kaur	34	3	49	4	37	3	-1	1	0	30	3	26	2
209	Nusa Tenggara Barat	Lombok Barat	41	4	49	4	37	3	0	1	1	30	3	26	2
1	Aceh	Aceh Barat Daya	68	4	52	4	37	3	0	1	1	30	3	26	2
343	Sulawesi Tenggara	Buton Selatan	0	0	0	0	38	3	6	6	6	31	3	27	2
48	Jawa Tengah	Kota Surakarta	23	2	20	2	38	3	1	-2	-1	31	3	27	2
76	Jawa Timur	Ngawi	48	4	26	2	38	3	2	-1	1	31	3	27	2
10	Aceh	Nagan Raya	39	3	28	2	38	3	1	-1	0	31	3	27	2
325	Sulawesi Tengah	Banggai	38	3	35	3	38	3	0	0	0	31	3	27	2
18	Aceh	Aceh Jaya	53	4	35	3	38	3	1	0	1	31	3	27	2
36	Jawa Tengah	Magelang	45	4	39	3	38	3	1	0	1	31	3	27	2
327	Sulawesi Tengah	Donggala	50	4	40	4	38	3	0	1	1	31	3	27	2
346	Sulawesi Tenggara	Kolaka Utara	40	4	41	4	38	3	0	1	1	31	3	27	2
6	Aceh	Bireuen	57	4	41	4	38	3	0	1	1	31	3	27	2
178	Maluku Utara	Halmahera Timur	39	3	42	4	38	3	-1	1	0	31	3	27	2
331	Sulawesi Tengah	Parigi Moutong	49	4	44	4	38	3	0	1	1	31	3	27	2
402	Sumatera Selatan	Muara Enim	43	4	45	4	38	3	0	1	1	31	3	27	2
102	Kalimantan Barat	Sintang	37	3	46	4	38	3	-1	1	0	31	3	27	2
316	Sulawesi Selatan	Enrekang	36	3	50	4	38	3	-1	1	0	31	3	27	2
68	Jawa Timur	Lamongan	45	4	52	4	38	3	0	1	1	31	3	27	2
488	Jawa Barat	Bandung Barat	0	0	53	4	38	3	6	1	6	31	3	27	2
		Sorong Selatan	69	4	58	4	38	3	0	1	1	31	3	27	2
		Musi Rawas Utara	0	0	0	0	39	3	6	6	6	32	3	28	2
		Empat Lawang	0	0	31	3	39	3	6	0	6	32	3	28	2
		Malang	38	3	32	3	39	3	0	0	0	32	3	28	2
		Majalengka	51	4	32	3	39	3	1	0	1	32	3	28	2
		Lebak	33	3	35	3	39	3	0	0	0	32	3	28	2
		Gunung Mas	51	4	40	4	39	3	0	1	1	32	3	28	2



238	Papua Barat	Teluk Bintuni	38	3	41	4	39	3	-1	1	0	32	3	28	2
506	Jawa Barat	Tasikmalaya	46	4	41	4	39	3	0	1	1	32	3	28	2
499	Jawa Barat	Bandung	47	4	41	4	39	3	0	1	1	32	3	28	2
486	Jambi	Kota Sungai Penuh	0	0	42	4	39	3	6	1	6	32	3	28	2
103	Kalimantan Barat	Kapuas Hulu	60	4	42	4	39	3	0	1	1	32	3	28	2
342	Sulawesi Tenggara	Buton	55	4	44	4	39	3	0	1	1	32	3	28	2
217	Nusa Tenggara Timur	Nagekeo	0	0	45	4	39	3	6	1	6	32	3	28	2
134	Kalimantan Tengah	Katingan	49	4	45	4	39	3	0	1	1	32	3	28	2
58	Jawa Tengah	Grobogan	18	1	46	4	39	3	-3	1	-2	32	3	28	2
326	Sulawesi Tengah	Buol	47	4	47	4	39	3	0	1	1	32	3	28	2
424	Sumatera Utara	Pakpak Barat	57	4	52	4	39	3	0	1	1	32	3	28	2
142	Kalimantan Utara	Tana Tidung	0	0	0	0	40	4	6	6	6	33	3	29	2
443	Yogyakarta	Gunung Kidul	38	3	28	2	40	4	1	-2	-1	33	3	29	2
59	Jawa Timur	Bangkalan	44	4	35	3	40	4	1	-1	0	33	3	29	2
451	Banten	Pandeglang	47	4	38	3	40	4	1	-1	0	33	3	29	2
186	Maluku	Seram Bagian Timur	72	4	39	3	40	4	1	-1	0	33	3	29	2
182	Maluku Utara	Pulau Morotai	0	0	40	4	40	4	6	0	6	33	3	29	2
124	Kalimantan Tengah	Barito Selatan	58	4	40	4	40	4	0	0	0	33	3	29	2
79	Jawa Timur	Pasuruan	37	3	41	4	40	4	-1	0	-1	33	3	29	2
95	Jawa Timur	Jember	41	4	43	4	40	4	0	0	0	33	3	29	2
411	Sumatera Utara	Labuhanbatu Selatan	0	0	45	4	40	4	6	0	6	33	3	29	2
296	Sulawesi Barat	Polewali Mandar	44	4	45	4	40	4	0	0	0	33	3	29	2
305	Sulawesi Selatan	Pinrang	25	2	50	4	40	4	-2	0	-2	33	3	29	2
13	Aceh	Pidie	38	3	53	4	40	4	-1	0	-1	33	3	29	2
93	Jawa Timur	Bondowoso	38	3	53	4	40	4	-1	0	-1	33	3	29	2
274	Papua	Dogiyai	0	0	63	4	40	4	6	0	6	33	3	29	2
165	Lampung	Way Kanan	47	4	32	3	41	4	1	-1	0	34	3	30	3
125	Kalimantan Tengah	Murung Raya	38	3	36	3	41	4	0	-1	-1	34	3	30	3
		Seneponto	24	2	37	3	41	4	-1	-1	-2	34	3	30	3
		Bengkulu Selatan	53	4	41	4	41	4	0	0	0	34	3	30	3
		Kapuas	51	4	43	4	41	4	0	0	0	34	3	30	3
		Serdang Bedagai	39	3	44	4	41	4	-1	0	-1	34	3	30	3
		Kepulauan Yapen	40	4	44	4	41	4	0	0	0	34	3	30	3
		Tapanuli Utara	61	4	44	4	41	4	0	0	0	34	3	30	3
		Mamberamo	0	0	50	4	41	4	6	0	6	34	3	30	3



Optimization Software:
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		Tengah													
130	Kalimantan Tengah	Barito Timur	23	2	51	4	41	4	-2	0	-2	34	3	30	3
321	Sulawesi Tengah	Banggai Kepulauan	39	3	51	4	41	4	-1	0	-1	34	3	30	3
377	Sumatera Barat	Pasaman	53	4	52	4	41	4	0	0	0	34	3	30	3
234	Nusa Tenggara Timur	Lembata	50	4	54	4	41	4	0	0	0	34	3	30	3
280	Riau	Rokan Hilir	38	3	28	2	42	4	1	-2	-1	35	3	31	3
136	Kalimantan Tengah	Kotawaringin Timur	42	4	35	3	42	4	1	-1	0	35	3	31	3
396	Sumatera Selatan	Kota Pagar Alam	40	4	38	3	42	4	1	-1	0	35	3	31	3
504	Jawa Barat	Sukabumi	42	4	40	4	42	4	0	0	0	35	3	31	3
55	Jawa Tengah	Brebes	51	4	43	4	42	4	0	0	0	35	3	31	3
298	Sulawesi Selatan	Luwu Utara	25	2	44	4	42	4	-2	0	-2	35	3	31	3
314	Sulawesi Selatan	Bone	34	3	46	4	42	4	-1	0	-1	35	3	31	3
82	Jawa Timur	Probolinggo	35	3	49	4	42	4	-1	0	-1	35	3	31	3
376	Sumatera Barat	Pasaman Barat	48	4	52	4	42	4	0	0	0	35	3	31	3
219	Nusa Tenggara Timur	Rote Ndao	61	4	52	4	42	4	0	0	0	35	3	31	3
222	Nusa Tenggara Timur	Sumba Barat Daya	0	0	65	4	42	4	6	0	6	35	3	31	3
227	Nusa Tenggara Timur	Malaka	0	0	0	0	43	4	6	6	6	36	3	32	3
322	Sulawesi Tengah	Banggai Laut	0	0	0	0	43	4	6	6	6	36	3	32	3
307	Sulawesi Selatan	Sinjai	27	2	33	3	43	4	-1	-1	-2	36	3	32	3
108	Kalimantan Barat	Landak	40	4	33	3	43	4	1	-1	0	36	3	32	3
17	Aceh	Aceh Besar	45	4	33	3	43	4	1	-1	0	36	3	32	3
2	Aceh	Aceh Timur	44	4	34	3	43	4	1	-1	0	36	3	32	3
116	Kalimantan Selatan	Kota Banjarbaru	34	3	37	3	43	4	0	-1	-1	36	3	32	3
333	Sulawesi Tengah	Sigi	0	0	38	3	43	4	6	-1	6	36	3	32	3
111	Kalimantan Selatan	Balangan	50	4	40	4	43	4	0	0	0	36	3	32	3
211	Nusa Tenggara Barat	Lombok Timur	47	4	41	4	43	4	0	0	0	36	3	32	3
		Nduga	0	0	43	4	43	4	6	0	6	36	3	32	3
		Mappi	37	3	46	4	43	4	-1	0	-1	36	3	32	3
		Kota Bau-Bau	45	4	50	4	43	4	0	0	0	36	3	32	3
		Padang Lawas	0	0	57	4	43	4	6	0	6	36	3	32	3
		Manokwari Selatan	0	0	0	0	44	4	6	6	6	37	3	33	3
		Mamuju Tengah	0	0	0	0	44	4	6	6	6	37	3	33	3
		Pamekasan	43	4	38	3	44	4	1	-1	0	37	3	33	3



432	Sumatera Utara	Tapanuli Tengah	38	3	44	4	44	4	-1	0	-1	37	3	33	3
225	Nusa Tenggara Timur	Sumba Timur	45	4	46	4	44	4	0	0	0	37	3	33	3
407	Sumatera Selatan	Ogan Ilir	49	4	34	3	45	4	1	-1	0	38	3	34	3
317	Sulawesi Selatan	Gowa	30	3	41	4	45	4	-1	0	-1	38	3	34	3
292	Sulawesi Barat	Mamasa	50	4	44	4	45	4	0	0	0	38	3	34	3
310	Sulawesi Selatan	Takalar	27	2	50	4	45	4	-2	0	-2	38	3	34	3
383	Sumatera Barat	Solok	39	3	50	4	45	4	-1	0	-1	38	3	34	3
438	Sumatera Utara	Humbang Hasundutan	48	4	50	4	45	4	0	0	0	38	3	34	3
416	Sumatera Utara	Nias Barat	0	0	51	4	45	4	6	0	6	38	3	34	3
249	Papua Barat	Tambrau	0	0	56	4	45	4	6	0	6	38	3	34	3
218	Nusa Tenggara Timur	Ngada	46	4	57	4	45	4	0	0	0	38	3	34	3
267	Papua	Supiori	49	4	30	3	46	4	1	-1	0	39	3	35	3
191	Maluku	Maluku Barat Daya	0	0	35	3	46	4	6	-1	6	39	3	35	3
272	Papua	Boven Digoel	53	4	38	3	46	4	1	-1	0	39	3	35	3
233	Nusa Tenggara Timur	Kupang	57	4	42	4	46	4	0	0	0	39	3	35	3
294	Sulawesi Barat	Mamuju	48	4	44	4	46	4	0	0	0	39	3	35	3
311	Sulawesi Selatan	Tana Toraja	31	3	46	4	46	4	-1	0	-1	39	3	35	3
98	Kalimantan Barat	Sambas	54	4	46	4	46	4	0	0	0	39	3	35	3
415	Sumatera Utara	Mandailing Natal	55	4	50	4	46	4	0	0	0	39	3	35	3
220	Nusa Tenggara Timur	Sabu Raijua	0	0	57	4	46	4	6	0	6	39	3	35	3
224	Nusa Tenggara Timur	Sumba Tengah	0	0	58	4	46	4	6	0	6	39	3	35	3
262	Papua	Paniai	53	4	26	2	47	4	2	-2	0	40	4	36	3
465	Gorontalo	Boalemo	41	4	42	4	47	4	0	0	0	40	4	36	3
421	Sumatera Utara	Padang Lawas Utara	0	0	46	4	47	4	6	0	6	40	4	36	3
418	Sumatera Utara	Nias Utara	0	0	48	4	47	4	6	0	6	40	4	36	3
235	Nusa Tenggara Timur	Manggarai Barat	58	4	49	4	47	4	0	0	0	40	4	36	3
241	Papua Barat	Kota Sorong	27	2	54	4	47	4	-2	0	-2	40	4	36	3
		Manggarai	40	4	60	4	47	4	0	0	0	40	4	36	3
		Sidenreng Rappang	22	2	37	3	49	4	-1	-1	-2	42	4	38	3
		Nias Selatan	65	4	40	4	49	4	0	0	0	42	4	38	3
		Simeulue	64	4	46	4	49	4	0	0	0	42	4	38	3
		Gayo Lues	58	4	50	4	49	4	0	0	0	42	4	38	3
		Bener Meriah	62	4	50	4	49	4	0	0	0	42	4	38	3
		Maybrat	0	0	36	3	50	4	6	-1	6	43	4	39	3



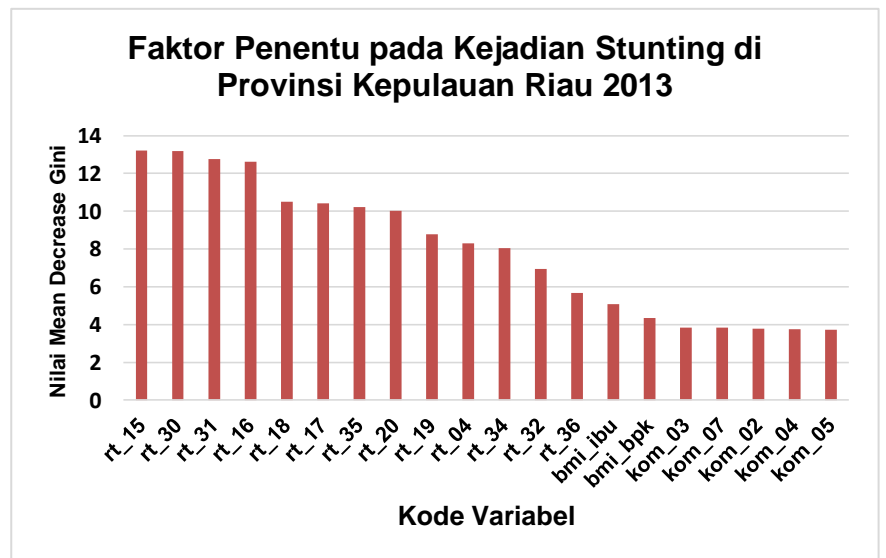
270	Papua	Yahukimo	51	4	38	3	50	4	1	-1	0	43	4	39	3
83	Jawa Timur	Sampang	48	4	42	4	50	4	0	0	0	43	4	39	3
16	Aceh	Kota Subulussalam	0	0	43	4	50	4	6	0	6	43	4	39	3
223	Nusa Tenggara Timur	Sumba Barat	55	4	56	4	50	4	0	0	0	43	4	39	3
231	Nusa Tenggara Timur	Flores Timur	48	4	40	4	51	4	0	0	0	44	4	40	4
23	Aceh	Aceh Tenggara	66	4	28	2	52	4	2	-2	0	45	4	41	4
215	Nusa Tenggara Timur	Alor	49	4	59	4	52	4	0	0	0	45	4	41	4
226	Nusa Tenggara Timur	Belu	44	4	35	3	53	4	1	-1	0	46	4	42	4
303	Sulawesi Selatan	Pangkajene Dan Kepulauan	29	2	44	4	54	4	-2	0	-2	47	4	43	4
236	Nusa Tenggara Timur	Manggarai Timur	0	0	54	4	55	4	6	0	6	48	4	44	4
109	Kalimantan Barat	Melawi	61	4	32	3	56	4	1	-1	0	49	4	45	4
420	Sumatera Utara	Nias	57	4	47	4	56	4	0	0	0	49	4	45	4
253	Papua	Lanny Jaya	0	0	53	4	56	4	6	0	6	49	4	45	4
268	Papua	Tolikara	63	4	65	4	57	4	0	0	0	50	4	46	4
228	Nusa Tenggara Timur	Timor Tengah Selatan	58	4	71	4	57	4	0	0	0	50	5	46	4
312	Sulawesi Selatan	Toraja Utara	0	0	37	3	58	4	6	-1	6	51	4	47	4
291	Sulawesi Barat	Majene	44	4	58	4	58	4	0	0	0	51	4	47	4
229	Nusa Tenggara Timur	Timor Tengah Utara	61	4	36	3	60	4	1	-1	0	53	4	49	4
275	Papua	Intan Jaya	0	0	88	4	60	4	6	0	6	53	4	49	4
400	Sumatera Selatan	Lahat	44	4	38	3	68	4	1	-1	0	61	4	57	4



HASIL ANALIS RANDOM FOREST

KEPULAUAN RIAU

	MeanDecreaseGini
rt_15	13,20522
rt_30	13,19251
rt_31	12,74829
rt_16	12,62897
rt_18	10,49316
rt_17	10,40367
rt_35	10,23168
rt_20	10,02299
rt_19	8,78558
rt_04	8,311681
rt_34	8,052184
rt_32	6,939757
rt_36	5,670066
bmi_ibu	5,076876
bmi_bpk	4,35243
kom_03	3,84997
kom_07	3,830589
kom_02	3,787183
kom_04	3,762773
kom_05	3,720841
kom_06	3,610942
rt_37	3,263638
rt_33	3,085534
ind_09	2,704624
ind_01	2,697869
ind_02	2,638302
rt_27	2,38519
ind_03	2,264749
kom_01	2,076793
rt_11	1,482967
rt_09	1,213275
rt_26	0,953905
rt_24	0,813685
rt_03	0,703966



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0,380943

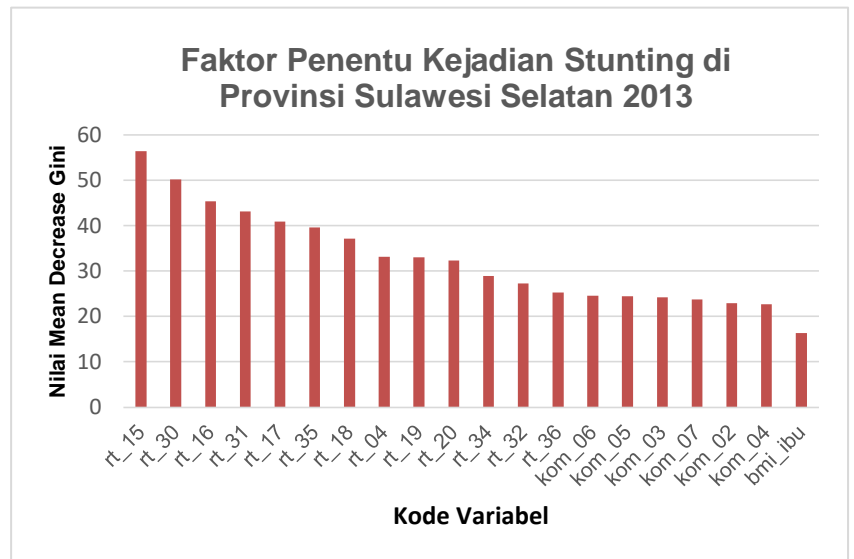


rt_07	0,251261
rt_12	0,241493
rt_06	0,226564
ind_06	0,222964
rt_21	0,199481
rt_08	0,180469
rt_22	0,089984
ind_05	0,085529
rt_10	0
rt_25	0



SULAWESI SELATAN

	MeanDecreaseGini
rt_15	56,34556
rt_30	50,19183
rt_16	45,2787
rt_31	43,10984
rt_17	40,87385
rt_35	39,58681
rt_18	37,15897
rt_04	33,12384
rt_19	32,96617
rt_20	32,24617
rt_34	28,88034
rt_32	27,2573
rt_36	25,24377
kom_06	24,55452
kom_05	24,47014
kom_03	24,21224
kom_07	23,69938
kom_02	22,88692
kom_04	22,63251
bmi_ibu	16,29045
bmi_bpk	14,5115
rt_37	12,59639
rt_33	12,2901
ind_02	11,74396
ind_01	10,14934
rt_27	8,600347
ind_09	8,44204
ind_03	8,356198
kom_01	7,409047
rt_03	5,880482
rt_24	5,37016
rt_09	5,349253
rt_11	4,86902
ind_08	4,558313
rt_26	3,183426
rt_02	2,737361
rt_08	2,174753
ind_07	2,030145
ind_04	2,016286
rt_22	0,914881
	0,736337
	0,689167
	0,418049
	0,240958
	0,221075
	0,219326



rt_06	0,19991
rt_25	0,079713
ind_05	0



CURRICULUM VITAE

Dr. Minsarnawati, SKM, M.Kes

Familiar with research and community development program of mother and child issues

Address : Perumahan Alam Asri Serua Blok B2/8 Serua Bojongsari Depok - Jawa Barat

Email: minsarnawati@uinjkt.ac.id



Minsarnawati Tahangnacca, is Lecturer of Public Health at the State Islamic University of Syarif Hidayatullah at Jakarta. Tahangnacca's research focuses on Mother and Child Health. Non communicable disease, Her major interest has been public health issues such as; maternal care and community, nutrition, child's growth, childhood infection diseases, and poverty community. Minsaranawati's contributions have been recognized by Ministry of Health and Ministry of Religion.

Education

Dr of Public Health at, Postgraduate of School of Public Health, Hasanuddin University, 2016-2020.

Master of Public Health Postgraduate of School of Public Health, Hasanuddin University, 2002-2004.

Bachelor degree from School of Public Health, Hasanuddin University, 2001.

Working Experience

Islamic State University of Syarif Hidayatullah, Faculty of Health Sciences, Epidemiology Department

October 2007 – present

Lecturer, Researcher and Community Worker

Ability

Professional Skills:

- Experience in building proposals including the budgets, instruments and indicators and the implementation in reproductive health, maternal child health and/or public health projects
- Familiar with Eidemiology studies
- Effective planning and organizational skills
- Create and manage trainings and seminars
- Able to work in a team

Computer Application Skills:

- Software Statistic (SPSS) & Stata, R Studio, ArcGIS, Power SIM, AMOS
- Microsoft Office 2000 such as Word, Excel and Power point (Including Access, Microsoft Publisher, Internet and social media



February 1975, Active, high motivated, hard worker, Married
and working with community

List of Scientific Projects

Scientific Projects	Year	Publisher
Predictive Model of Stunting Children (0-59 Months) in Indonesia	2020	The 1st SEAMEO International Conference on Food and Nutrition (ICFN 2020)
Stunting Determinants of Toddler in Indonesia: A Multilevel Analysis of the 2007, 2013, 2018 Indonesia Basic Health Survey	2020	The 4 th International Conference on Science (ICOS 2020)
Model of Stunting Determinants: A Systematic Review	2020	Enfermesia Clinica: 2020, 30(54) p 241-245
Contributing Factors of Stunted Growth among Toddlers in Makassar City: A Qualitative Study”	2020	JUMMEC 2020:23(Suppl 1) p 189 - 195
Model of Stunting Determinants: A Systematic Review	2019	The 1 th International Conference on Nutrition and Public Health (ICNPH 2019)
Contributing Factors of Stunted Growth among Toddlers in Makassar City: A Qualitative Study	2019	APACPH-KL Early Career Global Public Health Conference 2019
Health Intervention Research Processed Pare Siang with Eel and Vegetables can Improve Nutritional Status of Outer Baduy Toddlers, Banten	2016	National Institute of Health Research and Development, Indonesian Ministry of Health
Health Intervention Research "The Role of Leaders and Traditional Figures in Increasing Knowledge and Changing Community Attitudes about Toddler Nutrition in the Outer Baduy Community, Banten"	2015	National Institute of Health Research and Development, Indonesian Ministry of Health
Distribution Pattern of Tuberculosis and Tuberculosis Positive Acid-Resistant Bacteria in Indonesia 2010-2014: Space-Time Spatial Clustering	2015	Center of Research and Publication UIN Syarif Hidayatullah Jakarta
The role of Team Work 4 PKK of Pamulang Barat Village in increasing larva free index in Kelurahan Pamulang Barat	2015	Indonesian Ministry of Religion

