

No.	File	Function	CC Before Refactoring	MI Before Refactoring	MI Category	Does The Code Smell	CC After Refactoring	MI After Refactoring	MI Category	MI Difference
1	Analisis_statistik_jawaban	index()	10	36.2458	Bad	YES	2	49.7944	Bad	13.5486
2	Keluarga	statistik()	11	39.5445	Bad	YES	5	44.6357	Bad	5.0912
3	Stunting	scorecard_konvergensi()	58	15.3740	Bad	NO	51	17.0933	Bad	1.7193
4		rekapitulasi_ibu_hamil()	11	45.9676	Bad	YES	3	55.2858	Bad	9.3182
5		rekapitulasi_bulanan_anak()	11	45.9676	Bad	YES	3	55.2858	Bad	9.3182
6	Analisis_respon_model	update_kuisisioner()	37	19.2777	Bad	NO	31	25.0694	Bad	5.7916
7	Bip_luwutimur_model	impor_data_bip()	10	39.4709	Bad	YES	8	41.5331	Bad	2.0623
8	Bip2016_model	impor_data_bip()	11	38.1365	Bad	YES	9	40.5737	Bad	2.4372
9	Bipektp_model	impor_data_bip()	10	39.7057	Bad	YES	8	42.4293	Bad	2.7236
10	Ekspor_model	expor()	15	37.1157	Bad	YES	8	43.5718	Bad	6.4561
11		tambah_penduduk_sinkronasi_opendk()	10	41.7380	Bad	YES	3	51.1433	Bad	9.4053
12	Keluar_model	list_data()	10	42.8035	Bad	YES	4	49.2099	Bad	6.4064
13	Keluarga_model	insert_a()	13	33.9668	Bad	YES	9	36.3140	Bad	2.3471
14	Keuangan_grafik_manual_model	data_widget_pendapatan()	13	44.3214	Bad	YES	4	49.6430	Bad	5.3215
15		data_widget_belanja()	13	44.3214	Bad	YES	4	49.6430	Bad	5.3215
16		data_widget_pelaksanaan()	13	44.3214	Bad	YES	4	49.6430	Bad	5.3215
17	Penduduk_model	insert_a()	13	32.5487	Bad	NO	11	34.3243	Bad	1.7756
18	Suplemen_model	get_kk_terdata()	11	41.2523	Bad	YES	6	43.9945	Bad	2.7422
19		get_penduduk_terdata()	11	40.9809	Bad	YES	6	43.6755	Bad	2.6946

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20	Keuangan_grafik_model	data_widget_pendapatan()	19	40.2487	Bad	YES	8	52.3114	Bad	12.0627
21		data_widget_belanja()	31	33.8783	Bad	NO	22	37.5640	Bad	3.6857
22		data_widget_pelaksanaan()	37	31.2423	Bad	NO	30	33.9407	Bad	2.6984
23	Laporan_penduduk_model	select_per_kategori()	16	27.4422	Bad	NO	13	28.5475	Bad	1.1053
24	Surat_keluar_model	insert()	11	40.0753	Bad	YES	5	48.0969	Bad	8.0215
25		update()	14	33.9987	Bad	YES	8	37.4092	Bad	3.4105
26		delete()	11	44.1100	Bad	YES	9	47.6545	Bad	3.5445
27	Surat_masuk_model	insert()	13	39.3449	Bad	YES	7	47.0189	Bad	7.6740
28		update()	15	33.5970	Bad	YES	5	43.2792	Bad	9.6821
29		delete()	11	44.1100	Bad	YES	9	46.3974	Bad	2.2875
30	Vaksin_covid_model	impor()	13	28.1006	Bad	NO	13	28.1128	Bad	0.0122
31	Web_artikel_model	update()	17	32.4409	Bad	NO	11	36.2266	Bad	3.7857
32		insert()	17	33.4299	Bad	NO	11	37.4955	Bad	4.0656
Average			16.1250	37.0337		23	10.3125	42.0912		5.0574
						9				