

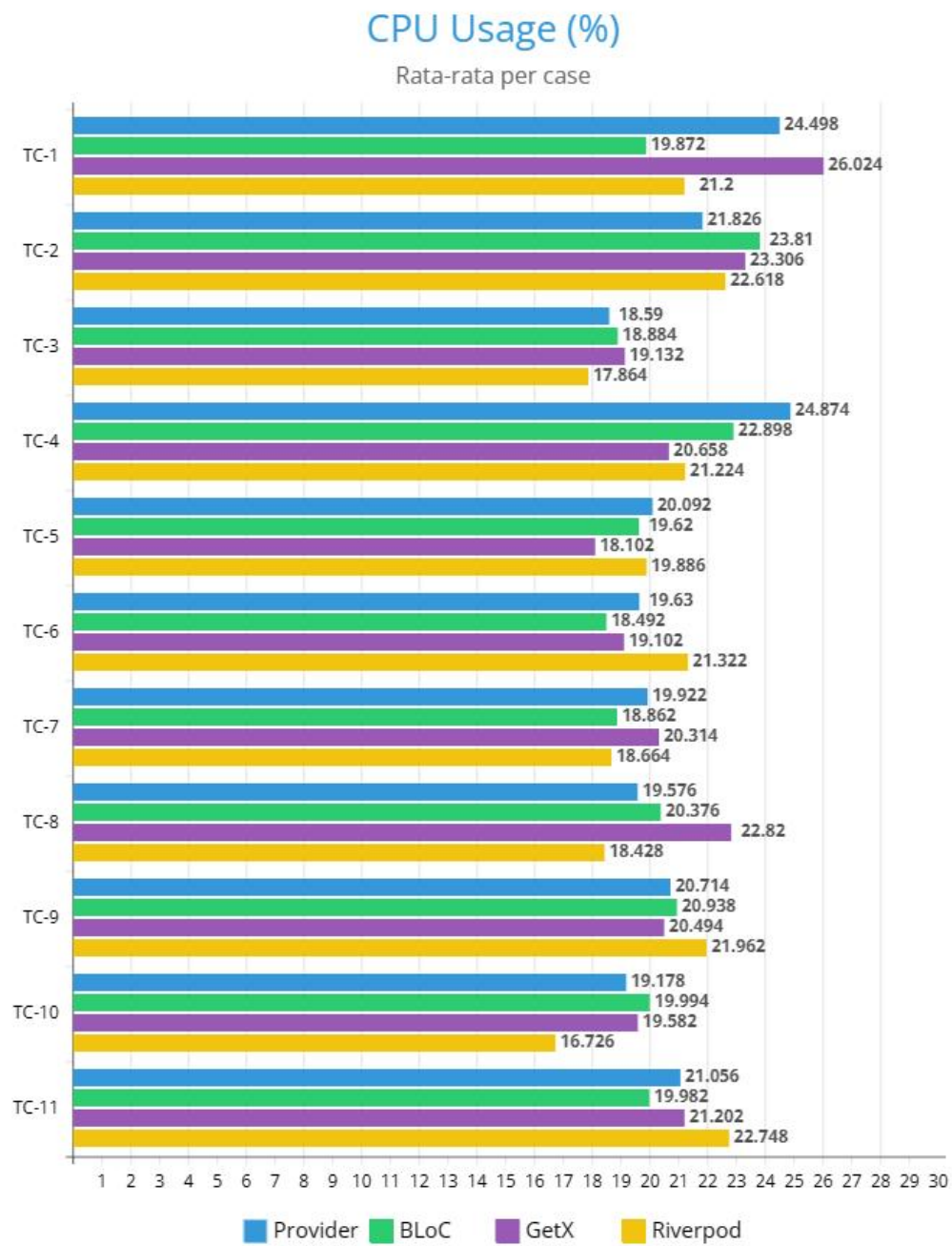
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Lampiran 1 Grafik Penggunaan CPU tiap *test case*

Lampiran 2 Hasil Pengujian Penggunaan CPU menggunakan Provider

Test Case	Percobaan					Rata – rata (%)
	1	2	3	4	5	
TC-01	21.05	27.05	23.08	22.50	28.81	24.498
TC-02	24.32	20.00	19.51	23.68	21.62	21.826
TC-03	18.42	17.95	17.07	20.00	19.51	18.59
TC-04	23.08	25.00	28.21	21.05	27.03	24.874
TC-05	20.51	18.92	1.00	23.08	17.95	16.292
TC-06	19.51	21.05	20.00	17.59	20.00	19.63
TC-07	17.07	20.00	18.42	22.50	21.62	19.922
TC-08	20.51	19.44	19.51	20.00	18.42	19.576
TC-09	20.51	20.00	21.05	19.51	22.50	20.714
TC-10	17.50	18.92	21.05	20.00	18.42	19.178
TC-11	21.05	19.05	21.05	21.05	23.08	21.056

Lampiran 3 Hasil Pengujian Penggunaan CPU menggunakan Bloc

Test Case	Percobaan					Rata – rata (%)
	1	2	3	4	5	
TC-01	19.44	21.05	18.92	19.44	20.51	19.872
TC-02	23.08	22.86	25.64	23.08	24.39	23.81
TC-03	18.92	17.65	20.51	18.92	18.42	18.884
TC-04	21.62	21.05	22.50	25.00	24.32	22.898
TC-05	19.51	21.05	21.62	17.50	18.42	19.62
TC-06	17.50	21.95	20.51	17.50	15.00	18.492
TC-07	19.44	19.51	17.50	18.42	19.44	18.862
TC-08	21.21	19.44	18.42	20.59	22.22	20.376
TC-09	22.22	20.00	22.50	21.05	18.92	20.938
TC-10	20.51	19.44	20.51	18.92	20.59	19.994
TC-11	18.92	21.62	18.92	17.95	22.50	19.982

Lampiran 4 Hasil Pengujian Penggunaan CPU menggunakan Getx

Test Case	Percobaan					Rata – rata (%)
	1	2	3	4	5	
TC-01	29.73	27.03	27.78	22.50	23.08	26.024
TC-02	21.05	23.08	21.05	27.03	24.32	23.306
TC-03	17.92	20.51	19.44	18.35	19.44	19.132
TC-04	20.00	18.42	23.81	21.62	19.44	20.658
TC-05	18.42	19.05	17.95	16.67	18.42	18.102
TC-06	17.07	19.51	21.43	20.00	17.50	19.102
TC-07	21.62	20.51	18.42	20.51	20.51	20.314
TC-08	20.51	20.51	25.00	23.08	25.00	22.82
TC-09	25.00	20.00	19.05	18.42	20.00	20.494
TC-10	20.51	18.42	19.51	21.05	18.42	19.582
TC-11	25.65	20.00	19.44	18.42	22.50	21.202

Lampiran 5 Hasil Pengujian Penggunaan CPU menggunakan Riverpod

Test Case	Percobaan					Rata – rata (%)
	1	2	3	4	5	
TC-01	23.08	18.92	22.50	23.08	18.42	21.2
TC-02	21.95	23.68	25.00	21.95	20.51	22.618
TC-03	18.42	17.95	17.95	17.50	17.50	17.864
TC-04	20.51	20.51	18.92	22.50	23.68	21.224
TC-05	20.00	18.92	20.51	20.00	20.00	19.886
TC-06	17.95	22.50	23.08	20.00	23.08	21.322
TC-07	17.95	18.42	17.95	21.05	17.95	18.664
TC-08	19.05	17.50	18.92	16.67	20.00	18.428
TC-09	23.08	21.05	18.42	21.62	25.64	21.962
TC-10	20.00	15.79	14.29	18.92	14.63	16.726
TC-11	25.64	26.32	18.92	20.00	22.86	22.748

Lampiran 6 Hasil Pengujian Penggunaan Memori menggunakan Provider

Test Case	Percobaan					Rata – rata (mb)
	1	2	3	4	5	
TC-01	42.51	42.01	42.51	42.01	42.05	42.218
TC-02	48.20	54.01	59.77	67.78	76.72	61.296
TC-03	39.45	43.86	47.86	32.55	33.06	39.356
TC-04	36.05	36.55	36.55	36.55	37.05	36.55
TC-05	36.55	32.55	33.07	33.17	33.07	33.682
TC-06	36.01	36.55	36.55	36.05	36.05	36.242
TC-07	33.06	34.30	35.69	41.50	50.66	39.042
TC-08	33.05	33.06	33.06	32.56	33.06	32.958
TC-09	33.06	33.69	33.81	33.83	34.31	33.74
TC-10	34.32	34.82	34.82	34.82	34.82	34.72
TC-11	34.86	34.60	34.31	34.07	34.82	34.532

Lampiran 7 Hasil Pengujian Penggunaan Memori menggunakan Bloc

Test Case	Percobaan					Rata-rata (mb)
	1	2	3	4	5	
TC-01	31.34	30.84	32.84	32.84	32.84	32.14
TC-02	53.06	50.55	54.75	62.54	50.21	54.222
TC-03	44.08	44.18	43.94	43.94	44.44	44.116
TC-04	32.17	32.17	31.17	31.26	31.17	31.588
TC-05	33.68	31.29	31.19	31.19	31.17	31.704
TC-06	43.93	36.28	43.93	43.93	43.94	42.402
TC-07	31.18	35.68	35.68	36.68	35.91	35.026
TC-08	35.78	35.78	35.78	35.78	36.78	35.98
TC-09	36.78	36.28	36.28	36.78	36.78	36.58
TC-10	37.41	37.41	37.41	37.41	37.52	37.432
TC-11	37.93	38.16	38.42	38.67	39.39	38.514

Lampiran 8 Hasil Pengujian Penggunaan Memori menggunakan Getx

Test Case	Getx					Rata-rata (mb)
	1	2	3	4	5	
TC-01	30.05	30.05	30.05	30.05	30.05	30.05
TC-02	61.86	44.24	54.09	60.24	66.04	57.294
TC-03	32.74	33.86	34.10	34.06	34.06	33.764
TC-04	33.05	32.55	33.05	33.55	32.05	32.85
TC-05	33.05	33.07	33.07	32.57	32.57	32.866
TC-06	42.31	42.31	42.81	42.81	42.81	42.61
TC-07	40.08	39.91	38.00	39.08	39.33	39.28
TC-08	33.55	33.55	32.63	32.55	32.55	32.966
TC-09	34.04	34.06	34.56	34.69	35.19	34.508
TC-10	35.69	35.69	35.19	35.69	35.69	35.59
TC-11	34.05	33.81	34.56	34.32	35.59	34.466

Lampiran 9 Hasil Pengujian Penggunaan Memori menggunakan Riverpod

Test Case	Riverpod					Rata-rata (mb)
	1	2	3	4	5	
TC-01	43.36	39.93	49.19	49.19	48.49	46.032
TC-02	43.23	38.23	47.62	53.38	59.54	48.4
TC-03	37.34	39.49	39.11	39.49	39.49	38.984
TC-04	32.84	33.34	33.34	32.84	32.84	33.04
TC-05	32.84	33.36	32.86	32.92	33.36	33.068
TC-06	39.01	39.49	38.99	39.49	38.99	39.194
TC-07	33.48	33.39	38.30	39.25	40.87	37.058
TC-08	33.94	33.34	32.84	33.34	33.84	33.46
TC-09	45.15	45.92	46.01	45.51	46.14	45.746
TC-10	47.38	46.64	46.74	47.15	47.14	47.01
TC-11	52.10	39.43	39.95	39.94	40.69	42.422

Lampiran 10 Hasil Pengujian Waktu Eksekusi menggunakan Provider

Test Case	Provider					Rata-rata (ms)
	1	2	3	4	5	
TC-01	774	756	772	766	800	773.6
TC-02	833	776	769	762	767	781.4
TC-03	669	616	624	611	626	629.2
TC-04	619	625	632	626	627	625.8
TC-05	661	638	646	680	702	665.4
TC-06	502	494	475	474	484	485.8
TC-07	811	765	768	764	820	785.6
TC-08	796	759	743	744	779	764.2
TC-09	738	766	732	749	744	745.8
TC-10	695	679	668	674	673	677.8
TC-11	655	671	643	671	652	658.4

Lampiran 11 Hasil Pengujian Waktu Eksekusi menggunakan Bloc

Test Case	Bloc					Rata-rata (ms)
	1	2	3	4	5	
TC-01	769	778	759	779	772	771.4
TC-02	826	817	787	807	791	805.6
TC-03	652	653	664	642	667	655.6
TC-04	620	620	625	677	621	632.6
TC-05	416	413	442	423	423	423.4
TC-06	477	499	506	492	487	492.2
TC-07	583	568	569	591	559	574
TC-08	809	769	761	773	758	774
TC-09	737	736	733	759	720	737
TC-10	693	677	699	688	697	690.8
TC-11	683	660	679	660	664	669.2

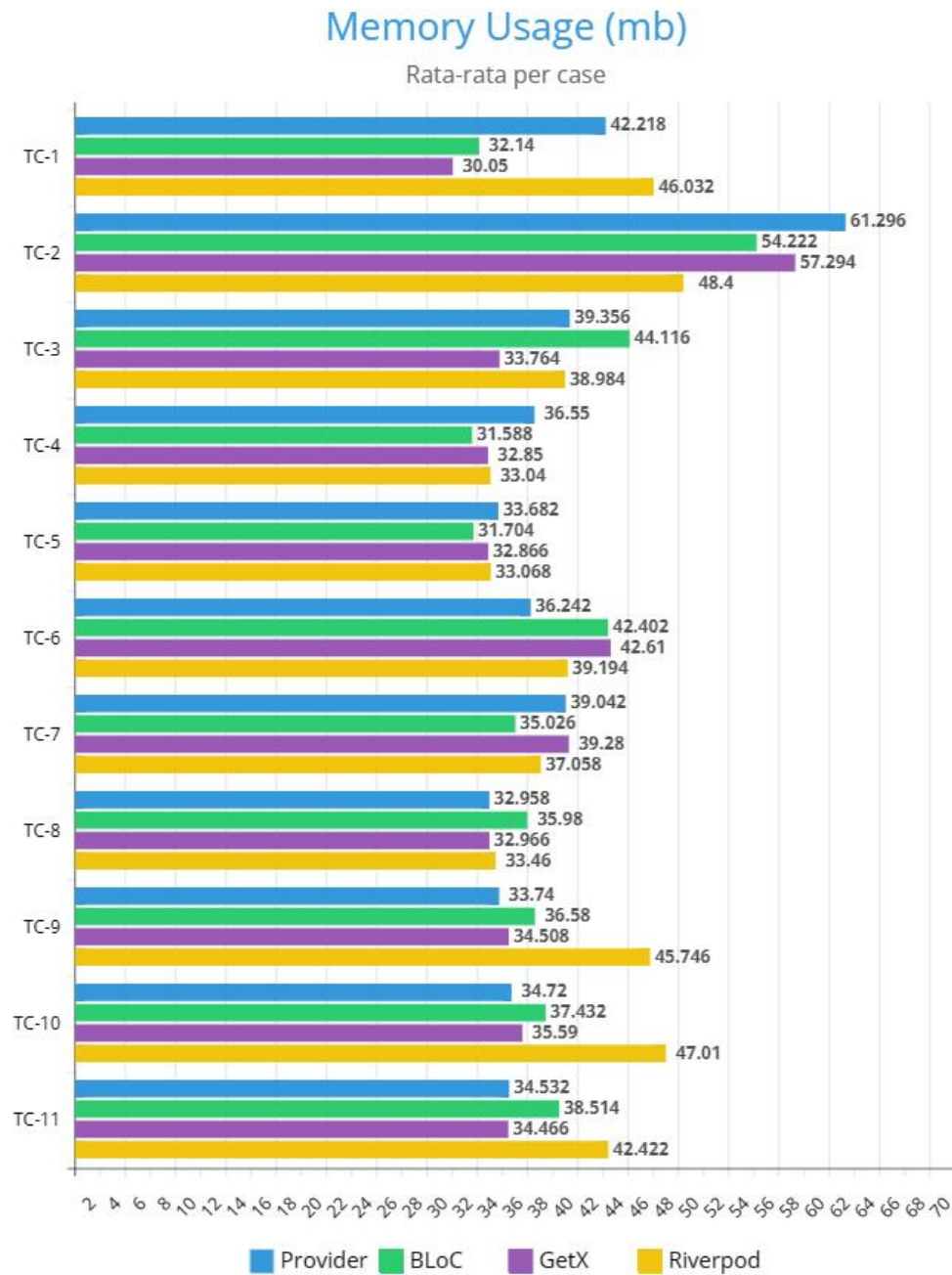
Lampiran 12 Hasil Pengujian Waktu Eksekusi menggunakan Getx

Test Case	Getx					Rata-rata (ms)
	1	2	3	4	5	
TC-01	583	603	600	592	618	599.2
TC-02	631	606	603	609	591	608
TC-03	472	467	472	481	467	471.8
TC-04	469	459	445	475	489	467.4
TC-05	471	446	476	469	480	468.4
TC-06	554	565	552	569	547	557.4
TC-07	619	595	648	611	623	619.2
TC-08	629	578	586	586	585	592.8
TC-09	526	551	541	520	528	533.2
TC-10	520	488	528	506	499	508.2
TC-11	472	490	514	500	481	491.4

Lampiran 13 Hasil Pengujian Waktu Eksekusi menggunakan Riverpod

Test Case	Riverpod					Rata-rata (ms)
	1	2	3	4	5	
TC-01	547	536	543	552	538	543.2
TC-02	552	529	529	552	524	537.2
TC-03	414	430	422	396	383	409
TC-04	416	407	415	405	424	413.4
TC-05	415	414	420	413	418	416
TC-06	486	489	493	487	495	490
TC-07	550	560	538	544	564	551.2
TC-08	550	534	524	510	512	526
TC-09	509	505	492	495	485	497.2
TC-10	433	433	461	438	451	443.2
TC-11	416	448	437	446	435	436.4

Lampiran 14 Grafik penggunaan memori tiap test case



Lampiran 15 Link repositori *Source Code Project*

[UNHAS-Kampus-Merdeka \(github.com\)](#)