

BAB V

KESIMPULAN

5.1 Kesimpulan

Pada bab ini akan diuraikan kesimpulan berdasarkan hasil analisis dan pembahasan yang dilakukan pada bab IV. Jenis Pemampatan citra sekuensial yang dilakukan adalah pemampatan *intraframe* dan pemampatan *interframe*.

Pada pemampatan *intraframe* pengujian Gelombang – Singkat terhadap PSNR, Rasio Kompresi, pengaruh Derau (*Noise*), Nilai Thresholding, dan level dekomposisi. Setelah dilakukan beberapa pengujian maka dapat disimpulkan bahwa:

1. Pemampatan data merupakan solusi yang tepat untuk memperkecil ukuran data.
2. Berdasarkan hasil pengujian yang dilakukan pada 19 gelombang singkat, pemampatan citra gerak tari hengong gerak pertama, kedua dan ketiga maka;
 - a. pemampatan *intraframe*: PSNR coiflet 5 lebih besar namun rasio kompresinya rendah. Rasio Kompresi yang tertinggi adalah keluarga Haar, namun nilai PSNRnya rendah. Waktu komputasi yang dibutuhkan untuk Coiflet 5 lebih lama jika dibandingkan dengan Haar. Hal ini dikarenakan pada Coiflet 5 memiliki panjang filter yang lebih dibandingkan dengan Haar.

- b. Pemampatan *interframe*: PSNR Symlet 5 lebih besar namun rasio kompresinya rendah. Rasio Kompresi yang tertinggi adalah keluarga Haar , namun nilai PSNRnya rendah. Waktu komputasi yang dibutuhkan untuk Symlet 5 lebih lama jika dibandingkan dengan Haar, namun secara keseluruhan Coiflet 5 memiliki waktu komputasi yang paling lama jika dibandingkan dengan 18 fungsi gelombang singkat Hal ini dikarenakan pada Coiflet 5 memiliki panjang filter yang lebih dibandingkan dengan Haar dan 18 Fungsi Gelombang Singkat lainnya.

4.2 Saran

Penelitian tentang pengujian pemampatan intraframe dan interframe pada citra sekuensial menggunakan Alihragam Gelombang Singkat selanjutnya sebaiknya menggunakan citra warna (RGB), dan menggunakan lebih banyak keluarga Gelombang singkat.

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SERTIFIKAT



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Lampiran A Tabel Pengujian Pemampatan Intraframe Gelombang Singkat terhadap PSNR dalam (dB)

A.1 Pengujian Gelombang Singkat terhadap PSNR pada pemampatan *intraframe* gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	38.7349	39.0171	38.9916	39.2783	39.175	39.1473	39.0857	39.0584	39.0568	39.0264	39.0315	39.0214
db2	39.1507	39.6612	39.6298	39.7708	39.738	39.729	39.6945	39.6823	39.6785	39.6724	39.6864	39.6816
db3	39.3227	39.8957	39.889	39.9141	39.9271	39.9205	39.9265	39.9164	39.9074	39.9174	39.9238	39.9223
db4	39.47	40.0743	40.0816	40.0621	40.0851	40.0746	40.1031	40.0878	40.0755	40.0765	40.079	40.0728
db5	39.6198	40.2708	40.2731	40.2331	40.2778	40.2631	40.2938	40.2761	40.2664	40.2466	40.2509	40.2346
db6	39.7221	40.4195	40.3968	40.3732	40.4298	40.4117	40.4238	40.4032	40.4024	40.3708	40.3771	40.3691
coif1	39.1801	39.6912	39.6784	39.7254	39.7595	39.7329	39.7303	39.7123	39.7095	39.6743	39.6769	39.6669
coif2	39.6176	40.2609	40.2397	40.2417	40.2928	40.2695	40.282	40.2613	40.2574	40.2253	40.2301	40.2166
coif3	39.7752	40.4734	40.4498	40.4258	40.4799	40.4617	40.479	40.458	40.4538	40.4279	40.4329	40.4197
coif4	39.8521	40.5789	40.5547	40.5126	40.5707	40.556	40.5742	40.5537	40.5499	40.527	40.5323	40.5202
coif5	39.897	40.6417	40.6171	40.5641	40.6235	40.6108	40.6299	40.6097	40.6072	40.5857	40.5919	40.5808
sym2	39.1507	39.6612	39.6298	39.7708	39.738	39.729	39.6945	39.6823	39.6785	39.6724	39.6864	39.6816
sym3	39.3227	39.8957	39.889	39.9141	39.9271	39.9205	39.9265	39.9164	39.9074	39.9174	39.9238	39.9223
sym4	39.6097	40.2488	40.2149	40.2435	40.2915	40.2713	40.2668	40.2446	40.247	40.2079	40.2142	40.2026
sym5	39.7436	40.4095	40.3555	40.4288	40.4528	40.4458	40.4141	40.3932	40.4033	40.3692	40.3798	40.3768
sym6	39.767	40.4622	40.4279	40.4146	40.4727	40.4561	40.4616	40.4393	40.4457	40.4116	40.4223	40.4127
sym7	39.7191	40.4161	40.3989	40.4506	40.4562	40.4415	40.4418	40.4232	40.4159	40.4154	40.4252	40.4225
sym8	39.8486	40.5722	40.5339	40.5069	40.5672	40.5538	40.5587	40.5389	40.5433	40.5138	40.5232	40.5135
ajs1	39.1506	39.6612	39.6298	39.7706	39.7379	39.7289	39.6945	39.6823	39.6785	39.6724	39.6864	39.6816

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
39.016	39.0023	39.0041	39.0087	39.0154	39.022	39.2199	39.1525	39.1287	39.1137	39.0901	39.0812	39.0811
39.6844	39.6631	39.6675	39.6708	39.6692	39.6872	39.7414	39.7425	39.7371	39.7617	39.7434	39.7495	39.7406
39.9235	39.8985	39.903	39.9037	39.8963	39.9139	39.9164	39.9177	39.9192	39.9421	39.9256	39.9329	39.9273

40.0695	40.046	40.0529	40.0507	40.0542	40.0572	40.0745	40.0572	40.0526	40.0704	40.0468	40.0462	40.0533
40.2323	40.2023	40.2145	40.2248	40.2439	40.2362	40.2461	40.2317	40.227	40.2394	40.2158	40.2093	40.2231
40.3679	40.3352	40.354	40.3747	40.4013	40.3926	40.3726	40.3745	40.3767	40.3945	40.3683	40.3676	40.3848
39.663	39.6373	39.6451	39.6526	39.6711	39.6676	39.7088	39.6935	39.6834	39.6877	39.6645	39.6605	39.6704
40.2185	40.186	40.1994	40.2165	40.2427	40.2405	40.2372	40.2353	40.2307	40.2395	40.2132	40.2145	40.2264
40.4218	40.3879	40.404	40.4255	40.4556	40.4534	40.424	40.4303	40.4309	40.4423	40.4191	40.4215	40.4357
40.5225	40.4891	40.5069	40.5297	40.5618	40.5601	40.516	40.5263	40.5309	40.5452	40.5218	40.5259	40.5397
40.583	40.5499	40.5688	40.5919	40.6253	40.6253	40.571	40.5835	40.5902	40.6079	40.5834	40.5887	40.602
39.6844	39.6631	39.6675	39.6708	39.6692	39.6872	39.7414	39.7425	39.7371	39.7617	39.7434	39.7495	39.7406
39.9235	39.8985	39.903	39.9037	39.8963	39.9139	39.9164	39.9177	39.9192	39.9421	39.9256	39.9329	39.9273
40.1995	40.1715	40.19	40.2069	40.2323	40.2338	40.2313	40.2319	40.2296	40.2382	40.2156	40.2167	40.2295
40.3736	40.3559	40.3788	40.4009	40.4165	40.4336	40.4122	40.4181	40.4297	40.4568	40.4359	40.444	40.4555
40.4084	40.3799	40.3999	40.4206	40.4527	40.452	40.4093	40.4177	40.4269	40.4405	40.4187	40.4233	40.4385
40.4231	40.3966	40.4076	40.4134	40.4105	40.435	40.4573	40.4355	40.4396	40.4621	40.4396	40.4457	40.4459
40.5121	40.48	40.5019	40.5261	40.5575	40.5611	40.5033	40.5177	40.525	40.5423	40.5232	40.5256	40.5391
39.6844	39.6631	39.6675	39.6709	39.6692	39.6872	39.7412	39.7424	39.737	39.7616	39.7433	39.7494	39.7405

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
39.0807	39.0591	39.0529	39.0452	39.03	39.06093
39.7392	39.7371	39.7339	39.7183	39.7085	39.68902
39.9325	39.9554	39.9493	39.9393	39.9401	39.90065
40.061	40.0738	40.0738	40.0667	40.0683	40.04725
40.2347	40.2245	40.2325	40.2272	40.2245	40.21986
40.3971	40.3778	40.3832	40.3841	40.3699	40.36254
39.6768	39.6626	39.6682	39.6636	39.6513	39.66552
40.2386	40.2217	40.2288	40.2252	40.2118	40.21405
40.4474	40.4297	40.4363	40.4356	40.4231	40.41537
40.5522	40.5355	40.5425	40.5418	40.5304	40.51535

40.6153	40.6009	40.6067	40.6059	40.5951	40.57514
39.7392	39.7371	39.7339	39.7183	39.7085	39.68902
39.9325	39.9554	39.9493	39.9393	39.9401	39.90065
40.239	40.2221	40.2253	40.2214	40.2069	40.20681
40.4622	40.4549	40.4472	40.4442	40.4277	40.394
40.4494	40.4323	40.4337	40.4329	40.4183	40.40829
40.4531	40.4743	40.4676	40.4511	40.4556	40.41133
40.5534	40.5384	40.5423	40.543	40.5265	40.50975
39.7392	39.7371	39.7339	39.7183	39.7085	39.68898

Lampiran B. Tabel Pengujian Gelombang Singkat terhadap Rasio Kompresi dalam (%)

B.1 Rasio Kompresi terhadap pemampatan *intraframe* gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	96.6815	96.7256	96.725	96.7578	96.7569	96.7496	96.7422	96.7378	96.7333	96.7304	96.7371	96.7352
db2	96.5223	96.5849	96.5831	96.6376	96.623	96.6135	96.6054	96.5978	96.5951	96.5871	96.5928	96.5905
db3	96.478	96.5378	96.5318	96.5959	96.5809	96.5719	96.5588	96.5561	96.5536	96.5449	96.5491	96.5454
db4	96.4612	96.5066	96.4992	96.5711	96.5554	96.5447	96.5319	96.5236	96.5249	96.5148	96.5195	96.5186
db5	96.4877	96.5368	96.5319	96.6004	96.5865	96.5756	96.5616	96.5576	96.5542	96.5454	96.5526	96.5534
db6	96.506	96.5649	96.5602	96.6242	96.6102	96.6042	96.5906	96.5844	96.5814	96.5766	96.5786	96.5797
coif1	96.5172	96.5688	96.5658	96.6317	96.6135	96.606	96.593	96.5894	96.5837	96.5805	96.5851	96.5873
coif2	96.5141	96.5619	96.5616	96.6278	96.6102	96.6019	96.5916	96.585	96.5797	96.5768	96.582	96.5832
coif3	96.5105	96.5583	96.5567	96.6214	96.6067	96.5958	96.5877	96.58	96.576	96.5731	96.5777	96.576
coif4	96.5079	96.5553	96.5536	96.6182	96.6031	96.5936	96.5846	96.5771	96.5731	96.5692	96.5737	96.5733
coif5	96.5054	96.5532	96.55	96.6148	96.5998	96.5906	96.5817	96.5741	96.5701	96.5675	96.5715	96.5702
sym2	96.5223	96.5849	96.5831	96.6376	96.623	96.6135	96.6054	96.5978	96.5951	96.5871	96.5928	96.5905

sym3	96.478	96.5378	96.5318	96.5959	96.5809	96.5719	96.5588	96.5561	96.5536	96.5449	96.5491	96.5454
sym4	96.5226	96.5799	96.5772	96.6374	96.6221	96.613	96.6037	96.5981	96.5917	96.5935	96.5965	96.5951
sym5	96.5785	96.6272	96.6254	96.6738	96.6615	96.6528	96.6471	96.643	96.6386	96.6339	96.6381	96.6364
sym6	96.5233	96.5818	96.5778	96.6394	96.6237	96.6182	96.6053	96.6006	96.5949	96.5941	96.5956	96.5942
sym7	96.4802	96.5388	96.5297	96.5972	96.581	96.5719	96.5619	96.556	96.552	96.5442	96.5466	96.5458
sym8	96.5157	96.5683	96.5673	96.6306	96.6128	96.6037	96.5946	96.5892	96.5852	96.5805	96.5862	96.5847
ajs1	96.522	96.5846	96.5832	96.6379	96.6229	96.6137	96.6054	96.5972	96.5948	96.5869	96.5926	96.5897

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
96.7338	96.7214	96.7221	96.7188	96.7198	96.7246	96.7431	96.7446	96.7361	96.7397	96.7356	96.7389	96.7376
96.5883	96.5786	96.5779	96.5758	96.577	96.5805	96.6161	96.608	96.6021	96.6021	96.5949	96.594	96.5943
96.545	96.5347	96.5322	96.53	96.5335	96.5382	96.5737	96.5696	96.5599	96.5591	96.5528	96.554	96.5516
96.5152	96.5052	96.5031	96.5016	96.5044	96.509	96.5492	96.5462	96.5382	96.5373	96.5296	96.5308	96.5309
96.5497	96.5394	96.5382	96.5319	96.5352	96.5411	96.5788	96.5749	96.5655	96.5684	96.5629	96.5629	96.5631
96.5808	96.5682	96.5643	96.5611	96.559	96.5699	96.6031	96.5995	96.5913	96.5941	96.5863	96.5875	96.5859
96.5858	96.5705	96.5702	96.5651	96.5667	96.576	96.6103	96.604	96.598	96.6004	96.5926	96.5944	96.5948
96.5812	96.5688	96.5647	96.5632	96.5629	96.571	96.6065	96.5984	96.5933	96.5957	96.5884	96.5884	96.5888
96.5757	96.5651	96.5613	96.5561	96.5566	96.5652	96.601	96.5968	96.5885	96.5917	96.5852	96.5854	96.5851
96.573	96.5616	96.5594	96.5534	96.5544	96.5622	96.5989	96.5927	96.5845	96.5875	96.5806	96.5813	96.5803
96.5696	96.5574	96.556	96.5513	96.5503	96.5576	96.596	96.5904	96.5828	96.5849	96.5781	96.5794	96.5771
96.5883	96.5786	96.5779	96.5758	96.577	96.5805	96.6161	96.608	96.6021	96.6021	96.5949	96.594	96.5943
96.545	96.5347	96.5322	96.53	96.5335	96.5382	96.5737	96.5696	96.5599	96.5591	96.5528	96.554	96.5516
96.5963	96.5835	96.5823	96.577	96.5756	96.5869	96.6193	96.6162	96.6049	96.6066	96.6006	96.603	96.6025
96.6379	96.6259	96.6238	96.6219	96.6208	96.6282	96.6574	96.6534	96.6464	96.6466	96.6422	96.6431	96.6415
96.5932	96.5858	96.5836	96.5778	96.5764	96.5852	96.6199	96.6163	96.6059	96.6114	96.6034	96.6048	96.6029
96.5448	96.5357	96.532	96.528	96.5317	96.5366	96.5712	96.5688	96.5597	96.5577	96.5511	96.5515	96.5509
96.5847	96.573	96.5694	96.5638	96.5641	96.5732	96.6092	96.604	96.5949	96.5984	96.5915	96.5914	96.592
96.5881	96.5792	96.5769	96.5754	96.5769	96.5803	96.6163	96.6079	96.6018	96.602	96.5951	96.5933	96.5949

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
96.7423	96.7414	96.7438	96.734	96.7273	96.73391
96.5968	96.5934	96.5955	96.5909	96.5833	96.59275
96.5544	96.5521	96.5533	96.5462	96.5379	96.54941
96.5319	96.5268	96.529	96.5197	96.5137	96.52311
96.5655	96.5615	96.5616	96.5543	96.5474	96.55487
96.5892	96.5838	96.5894	96.5803	96.5729	96.58092
96.5964	96.591	96.5938	96.5844	96.5786	96.5865
96.5894	96.5847	96.5878	96.5782	96.5704	96.58192
96.5858	96.5815	96.5845	96.5755	96.569	96.57766
96.5816	96.5779	96.5821	96.5724	96.5656	96.5744
96.5801	96.5748	96.5783	96.5695	96.5634	96.57153
96.5968	96.5934	96.5955	96.5909	96.5833	96.59275
96.5544	96.5521	96.5533	96.5462	96.5379	96.54941
96.6037	96.5993	96.6033	96.593	96.5851	96.59566
96.645	96.6411	96.6444	96.6352	96.6276	96.63796
96.6041	96.6022	96.6035	96.5949	96.5884	96.59695
96.5545	96.551	96.5529	96.5469	96.5377	96.54893
96.592	96.5872	96.5921	96.5832	96.5751	96.58527
96.5967	96.5934	96.5955	96.5908	96.5837	96.59264

Lampiran C. Tabel Pengujian Pengaruh Gaussian Noise terhadap Gelombang Singkat dengan PSNR sebagai Tolok Ukur

C.1 Nilai PSNR *Gaussian Noise* gerak pertama

Gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12	gerak13	gerak14	gerak15
haar	22,983	22,999	22,9931	23,0319	23,0195	23,0081	23,0052	22,9986	22,9901	22,9911	22,9997	22,9964	22,9933	22,989	22,988
db2	23,1615	23,176	23,1741	23,1897	23,1864	23,1766	23,1807	23,1729	23,1659	23,1669	23,1767	23,1734	23,1697	23,166	23,1623
db3	23,2169	23,2335	23,2312	23,2482	23,2449	23,2374	23,2424	23,231	23,2236	23,2295	23,2336	23,2306	23,2301	23,225	23,224
db4	23,2427	23,2629	23,2603	23,2728	23,2739	23,2638	23,269	23,2595	23,2508	23,2573	23,2572	23,2575	23,2579	23,2522	23,2509
db5	23,2653	23,2789	23,2799	23,292	23,2896	23,2842	23,2863	23,2779	23,2718	23,2739	23,278	23,2752	23,2739	23,2697	23,2671
db6	23,2696	23,2834	23,2862	23,2991	23,2973	23,2901	23,2942	23,2825	23,2783	23,2821	23,2844	23,2831	23,2839	23,2767	23,2747
coif1	23,1625	23,1832	23,1818	23,1951	23,1912	23,1821	23,1881	23,1774	23,1717	23,1778	23,178	23,1765	23,1767	23,1705	23,1708
coif2	23,2517	23,2728	23,2704	23,2843	23,2824	23,2726	23,2777	23,2678	23,2619	23,2678	23,2684	23,2677	23,2665	23,262	23,2602
coif3	23,2761	23,2971	23,2941	23,3086	23,3072	23,2975	23,3019	23,2923	23,2863	23,2919	23,2927	23,2927	23,2909	23,2874	23,2845
coif4	23,2772	23,306	23,3032	23,3024	23,3094	23,3035	23,3048	23,3095	23,3062	23,2951	23,3004	23,303	23,3073	23,2949	23,3043
coif5	23,2831	23,3122	23,3088	23,3082	23,3154	23,3094	23,3108	23,3154	23,312	23,3011	23,3065	23,3091	23,3134	23,301	23,3102
sym2	23,1493	23,1757	23,1701	23,1768	23,1821	23,1785	23,1753	23,176	23,1722	23,166	23,1692	23,1738	23,1754	23,1691	23,1676
sym3	23,2026	23,2354	23,2289	23,2318	23,2406	23,2343	23,2343	23,2358	23,2305	23,2236	23,2308	23,2328	23,2349	23,2248	23,2303
sym4	23,2392	23,2689	23,2664	23,2643	23,2721	23,2678	23,2654	23,2712	23,2689	23,2556	23,2623	23,2641	23,2678	23,2572	23,2664
sym5	23,2582	23,2885	23,2844	23,2859	23,2924	23,2872	23,2859	23,2922	23,2884	23,2774	23,281	23,2856	23,2896	23,2786	23,2843
sym6	23,268	23,2931	23,2919	23,2883	23,2992	23,2943	23,294	23,2944	23,2922	23,2818	23,2884	23,2916	23,2942	23,2854	23,2884
sym7	23,2686	23,2985	23,2938	23,2965	23,3042	23,2992	23,2983	23,2991	23,2932	23,2873	23,2929	23,2953	23,2991	23,289	23,2944
sym8	23,2753	23,3042	23,3019	23,3002	23,3073	23,3025	23,3018	23,3074	23,3042	23,2928	23,2986	23,3008	23,3047	23,2941	23,3036
AJS	23,1508	23,1733	23,1696	23,1812	23,1967	23,1739	23,1698	23,1736	23,1689	23,1789	23,1749	23,1762	23,1745	23,1684	23,1626

	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25	gerak26	gerak27	gerak28	gerak29	gerak30
haar	22,9878	22,998	22,9989	23,0261	23,0127	23,0066	23,0083	23,0034	23,0043	22,993	23,0065	23,0124	23,008	22,9899	22,9902
db2	23,166	23,1712	23,1767	23,186	23,1789	23,1786	23,1821	23,1772	23,1755	23,1694	23,1777	23,1867	23,1827	23,1682	23,1679
db3	23,2271	23,2293	23,2324	23,2399	23,2362	23,2347	23,238	23,2319	23,2327	23,2196	23,2311	23,2372	23,2368	23,2239	23,2249
db4	23,2526	23,2613	23,2594	23,2678	23,2595	23,2583	23,2629	23,2587	23,2552	23,2438	23,257	23,2635	23,2613	23,2485	23,2509

db5	23,2703	23,2798	23,2815	23,2874	23,2788	23,2783	23,2821	23,2823	23,2775	23,2697	23,2793	23,2875	23,281	23,2688	23,2713
db6	23,2799	23,2881	23,2887	23,2913	23,2891	23,2883	23,2887	23,2848	23,2847	23,2744	23,2872	23,2906	23,2886	23,2756	23,2753
coif1	23,1724	23,1826	23,1807	23,1882	23,1806	23,1776	23,182	23,1783	23,1743	23,1608	23,1751	23,1832	23,1818	23,1674	23,1681
coif2	23,2625	23,2743	23,2719	23,2777	23,2707	23,2671	23,2723	23,2681	23,2645	23,2509	23,2661	23,2727	23,2718	23,2567	23,2583
coif3	23,2871	23,2996	23,2971	23,3024	23,2954	23,2921	23,297	23,2929	23,2891	23,2764	23,2918	23,2977	23,2966	23,2816	23,2832
coif4	23,2923	23,2994	23,3067	23,3144	23,2999	23,3063	23,3024	23,2937	23,2959	23,3019	23,2989	23,2979	23,304	23,2999	23,2962
coif5	23,2986	23,3057	23,3129	23,32	23,306	23,3124	23,3085	23,2998	23,3018	23,308	23,3055	23,3042	23,3102	23,3064	23,3025
sym2	23,1634	23,1663	23,1781	23,184	23,1728	23,184	23,1776	23,1753	23,1726	23,1782	23,1779	23,1758	23,1834	23,1781	23,1706
sym3	23,2221	23,2254	23,2301	23,2402	23,2294	23,239	23,2337	23,2258	23,2254	23,2329	23,2311	23,2303	23,2381	23,2308	23,2259
sym4	23,2523	23,2589	23,2673	23,2772	23,2628	23,2697	23,2656	23,2557	23,2587	23,2633	23,2607	23,2606	23,2666	23,2617	23,2569
sym5	23,2722	23,2816	23,2879	23,2963	23,2816	23,2904	23,2865	23,2768	23,2794	23,2852	23,2816	23,281	23,2872	23,2833	23,277
sym6	23,2812	23,2888	23,2958	23,2991	23,2894	23,2981	23,2915	23,2867	23,2854	23,2938	23,2935	23,2906	23,2934	23,2886	23,2866
sym7	23,2859	23,2884	23,2962	23,3034	23,2914	23,3034	23,2938	23,2902	23,2888	23,2967	23,2939	23,2938	23,2995	23,295	23,2885
sym8	23,2898	23,297	23,3052	23,3129	23,2986	23,3051	23,3015	23,2922	23,2951	23,2996	23,2987	23,2963	23,3029	23,2993	23,2948
AJS	23,1606	23,1677	23,1758	23,1891	23,1761	23,1729	23,1822	23,177	23,177	23,172	23,1754	23,1764	23,1818	23,1786	23,1758

Lampiran D. Tabel Pengujian Pengaruh Threshold terhadap Gelombang Singkat dengan PSNR sebagai Tolok Ukur

D.1 PSNR Threshold 5 gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	38.7349	39.0171	38.9916	39.2783	39.175	39.1473	39.0857	39.0584	39.0568	39.0264	39.0315	39.0214
db2	39.1507	39.6612	39.6298	39.7708	39.738	39.729	39.6945	39.6823	39.6785	39.6724	39.6864	39.6816
db3	39.3227	39.8957	39.889	39.9141	39.9271	39.9205	39.9265	39.9164	39.9074	39.9174	39.9238	39.9223
db4	39.47	40.0743	40.0816	40.0621	40.0851	40.0746	40.1031	40.0878	40.0755	40.0765	40.079	40.0728
db5	39.6198	40.2708	40.2731	40.2331	40.2778	40.2631	40.2938	40.2761	40.2664	40.2466	40.2509	40.2346
db6	39.7221	40.4195	40.3968	40.3732	40.4298	40.4117	40.4238	40.4032	40.4024	40.3708	40.3771	40.3691

coif1	39.1801	39.6912	39.6784	39.7254	39.7595	39.7329	39.7303	39.7123	39.7095	39.6743	39.6769	39.6669
coif2	39.6176	40.2609	40.2397	40.2417	40.2928	40.2695	40.282	40.2613	40.2574	40.2253	40.2301	40.2166
coif3	39.7752	40.4734	40.4498	40.4258	40.4799	40.4617	40.479	40.458	40.4538	40.4279	40.4329	40.4197
coif4	39.8521	40.5789	40.5547	40.5126	40.5707	40.556	40.5742	40.5537	40.5499	40.527	40.5323	40.5202
coif5	39.897	40.6417	40.6171	40.5641	40.6235	40.6108	40.6299	40.6097	40.6072	40.5857	40.5919	40.5808
sym2	39.1507	39.6612	39.6298	39.7708	39.738	39.729	39.6945	39.6823	39.6785	39.6724	39.6864	39.6816
sym3	39.3227	39.8957	39.889	39.9141	39.9271	39.9205	39.9265	39.9164	39.9074	39.9174	39.9238	39.9223
sym4	39.6097	40.2488	40.2149	40.2435	40.2915	40.2713	40.2668	40.2446	40.247	40.2079	40.2142	40.2026
sym5	39.7436	40.4095	40.3555	40.4288	40.4528	40.4458	40.4141	40.3932	40.4033	40.3692	40.3798	40.3768
sym6	39.767	40.4622	40.4279	40.4146	40.4727	40.4561	40.4616	40.4393	40.4457	40.4116	40.4223	40.4127
sym7	39.7191	40.4161	40.3989	40.4506	40.4562	40.4415	40.4418	40.4232	40.4159	40.4154	40.4252	40.4225
sym8	39.8486	40.5722	40.5339	40.5069	40.5672	40.5538	40.5587	40.5389	40.5433	40.5138	40.5232	40.5135
ajs1	39.1506	39.6612	39.6298	39.7706	39.7379	39.7289	39.6945	39.6823	39.6785	39.6724	39.6864	39.6816

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
39.016	39.0023	39.0041	39.0087	39.0154	39.022	39.2199	39.1525	39.1287	39.1137	39.0901	39.0812	39.0811
39.6844	39.6631	39.6675	39.6708	39.6692	39.6872	39.7414	39.7425	39.7371	39.7617	39.7434	39.7495	39.7406
39.9235	39.8985	39.903	39.9037	39.8963	39.9139	39.9164	39.9177	39.9192	39.9421	39.9256	39.9329	39.9273
40.0695	40.046	40.0529	40.0507	40.0542	40.0572	40.0745	40.0572	40.0526	40.0704	40.0468	40.0462	40.0533
40.2323	40.2023	40.2145	40.2248	40.2439	40.2362	40.2461	40.2317	40.227	40.2394	40.2158	40.2093	40.2231
40.3679	40.3352	40.354	40.3747	40.4013	40.3926	40.3726	40.3745	40.3767	40.3945	40.3683	40.3676	40.3848
39.663	39.6373	39.6451	39.6526	39.6711	39.6676	39.7088	39.6935	39.6834	39.6877	39.6645	39.6605	39.6704
40.2185	40.186	40.1994	40.2165	40.2427	40.2405	40.2372	40.2353	40.2307	40.2395	40.2132	40.2145	40.2264
40.4218	40.3879	40.404	40.4255	40.4556	40.4534	40.424	40.4303	40.4309	40.4423	40.4191	40.4215	40.4357
40.5225	40.4891	40.5069	40.5297	40.5618	40.5601	40.516	40.5263	40.5309	40.5452	40.5218	40.5259	40.5397
40.583	40.5499	40.5688	40.5919	40.6253	40.6253	40.571	40.5835	40.5902	40.6079	40.5834	40.5887	40.602
39.6844	39.6631	39.6675	39.6708	39.6692	39.6872	39.7414	39.7425	39.7371	39.7617	39.7434	39.7495	39.7406
39.9235	39.8985	39.903	39.9037	39.8963	39.9139	39.9164	39.9177	39.9192	39.9421	39.9256	39.9329	39.9273

40.1995	40.1715	40.19	40.2069	40.2323	40.2338	40.2313	40.2319	40.2296	40.2382	40.2156	40.2167	40.2295
40.3736	40.3559	40.3788	40.4009	40.4165	40.4336	40.4122	40.4181	40.4297	40.4568	40.4359	40.444	40.4555
40.4084	40.3799	40.3999	40.4206	40.4527	40.452	40.4093	40.4177	40.4269	40.4405	40.4187	40.4233	40.4385
40.4231	40.3966	40.4076	40.4134	40.4105	40.435	40.4573	40.4355	40.4396	40.4621	40.4396	40.4457	40.4459
40.5121	40.48	40.5019	40.5261	40.5575	40.5611	40.5033	40.5177	40.525	40.5423	40.5232	40.5256	40.5391
39.6844	39.6631	39.6675	39.6709	39.6692	39.6872	39.7412	39.7424	39.737	39.7616	39.7433	39.7494	39.7405

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
39.0807	39.0591	39.0529	39.0452	39.03	39.06093
39.7392	39.7371	39.7339	39.7183	39.7085	39.68902
39.9325	39.9554	39.9493	39.9393	39.9401	39.90065
40.061	40.0738	40.0738	40.0667	40.0683	40.04725
40.2347	40.2245	40.2325	40.2272	40.2245	40.21986
40.3971	40.3778	40.3832	40.3841	40.3699	40.36254
39.6768	39.6626	39.6682	39.6636	39.6513	39.66552
40.2386	40.2217	40.2288	40.2252	40.2118	40.21405
40.4474	40.4297	40.4363	40.4356	40.4231	40.41537
40.5522	40.5355	40.5425	40.5418	40.5304	40.51535
40.6153	40.6009	40.6067	40.6059	40.5951	40.57514
39.7392	39.7371	39.7339	39.7183	39.7085	39.68902
39.9325	39.9554	39.9493	39.9393	39.9401	39.90065
40.239	40.2221	40.2253	40.2214	40.2069	40.20681
40.4622	40.4549	40.4472	40.4442	40.4277	40.394
40.4494	40.4323	40.4337	40.4329	40.4183	40.40829
40.4531	40.4743	40.4676	40.4511	40.4556	40.41133
40.5534	40.5384	40.5423	40.543	40.5265	40.50975
39.7392	39.7371	39.7339	39.7183	39.7085	39.68898

D.2 PSNR Threshold 10 gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	34.7346	34.9762	34.9463	35.2116	35.1263	35.1023	35.0408	35.0159	35.0131	34.9768	34.9888	34.9809
db2	35.4693	35.8095	35.7767	35.9072	35.8821	35.8706	35.8377	35.8284	35.8234	35.8152	35.8315	35.8338
db3	35.78	36.1588	36.1491	36.1915	36.1952	36.186	36.1845	36.1696	36.1594	36.1665	36.18	36.1794
db4	35.9998	36.3931	36.3984	36.3917	36.4064	36.3869	36.4155	36.392	36.3789	36.3802	36.3847	36.384
db5	36.1993	36.6144	36.6166	36.5889	36.6257	36.6045	36.6338	36.6089	36.6051	36.5806	36.5804	36.573
db6	36.3275	36.7754	36.7563	36.7287	36.7781	36.757	36.7672	36.7446	36.7491	36.7132	36.7208	36.7157
coif1	35.5175	35.8517	35.8412	35.875	35.906	35.8786	35.8818	35.8626	35.8567	35.8232	35.8277	35.8197
coif2	36.1616	36.5792	36.5614	36.559	36.6027	36.575	36.5883	36.5681	36.5632	36.5313	36.5342	36.5242
coif3	36.3925	36.8461	36.8244	36.7995	36.8478	36.8239	36.8408	36.8198	36.8167	36.7869	36.7915	36.7832
coif4	36.5044	36.9762	36.9538	36.915	36.9653	36.9433	36.9617	36.9407	36.9394	36.9129	36.9182	36.9105
coif5	36.5709	37.0537	37.0309	36.9822	37.0346	37.0137	37.033	37.0122	37.0118	36.9879	36.9943	36.9871
sym2	35.4693	35.8095	35.7767	35.9072	35.8821	35.8706	35.8377	35.8284	35.8234	35.8152	35.8315	35.8338
sym3	35.78	36.1588	36.1491	36.1915	36.1952	36.186	36.1845	36.1696	36.1594	36.1665	36.18	36.1794
sym4	36.1403	36.5626	36.528	36.5458	36.5898	36.567	36.5663	36.5434	36.5443	36.5044	36.5105	36.5042
sym5	36.3158	36.7638	36.7099	36.7824	36.8039	36.7934	36.7622	36.7436	36.7526	36.7134	36.7288	36.7278
sym6	36.375	36.8287	36.8013	36.7724	36.8283	36.8127	36.8199	36.7994	36.8042	36.7706	36.7808	36.7735
sym7	36.3422	36.7951	36.7803	36.8259	36.8311	36.8144	36.8133	36.7882	36.7832	36.7778	36.7959	36.7925
sym8	36.4922	36.9646	36.9335	36.8978	36.9535	36.9338	36.9415	36.9215	36.9271	36.8947	36.9028	36.8987
ajs1	35.4692	35.8093	35.7766	35.9069	35.8819	35.8704	35.8376	35.8282	35.8233	35.8151	35.8314	35.8337

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
34.9775	34.9576	34.9597	34.9656	34.9715	34.9797	35.1571	35.097	35.073	35.0687	35.0375	35.0306	35.0311
35.8318	35.8057	35.8107	35.8127	35.8106	35.8361	35.8778	35.8767	35.8732	35.902	35.8774	35.8813	35.8789
36.1788	36.1447	36.1536	36.1546	36.1468	36.1709	36.1915	36.1878	36.1798	36.2062	36.1811	36.1862	36.1853
36.3722	36.3395	36.3572	36.3584	36.3599	36.3693	36.3962	36.3742	36.365	36.3875	36.358	36.3585	36.3613

36.5685	36.5293	36.55	36.5627	36.5825	36.5807	36.5998	36.5796	36.5726	36.5813	36.5547	36.5487	36.5638
36.715	36.6763	36.6975	36.7176	36.7477	36.7466	36.7298	36.7281	36.7268	36.7434	36.719	36.7169	36.7283
35.816	35.7841	35.7956	35.8082	35.8267	35.8257	35.8598	35.843	35.8263	35.8358	35.8099	35.8022	35.8113
36.5242	36.4872	36.504	36.5248	36.5536	36.5536	36.5538	36.5444	36.5335	36.5472	36.5195	36.5158	36.5243
36.7818	36.7444	36.7643	36.7865	36.8178	36.8208	36.7992	36.7983	36.7916	36.8083	36.7821	36.7803	36.7899
36.908	36.8718	36.8927	36.9153	36.9479	36.9539	36.9194	36.9222	36.9178	36.9373	36.911	36.9109	36.9199
36.9835	36.9481	36.9704	36.9926	37.0268	37.034	36.992	36.996	36.9934	37.015	36.9879	36.9899	36.9982
35.8318	35.8057	35.8107	35.8127	35.8106	35.8361	35.8778	35.8767	35.8732	35.902	35.8774	35.8813	35.8789
36.1788	36.1447	36.1536	36.1546	36.1468	36.1709	36.1915	36.1878	36.1798	36.2062	36.1811	36.1862	36.1853
36.5025	36.4658	36.486	36.5033	36.5351	36.5375	36.5321	36.5309	36.5218	36.5345	36.5095	36.5058	36.5162
36.7279	36.698	36.7236	36.7453	36.7603	36.7879	36.7604	36.7637	36.7706	36.8037	36.7781	36.7795	36.7904
36.7714	36.7336	36.7557	36.7766	36.8131	36.8173	36.772	36.7797	36.7831	36.7991	36.7736	36.7744	36.7875
36.7871	36.7526	36.7708	36.7762	36.7739	36.8048	36.8331	36.8063	36.8072	36.8321	36.8038	36.8076	36.8113
36.8966	36.8558	36.8812	36.9049	36.9392	36.9479	36.8971	36.9039	36.9042	36.9251	36.9038	36.9007	36.9112
35.8317	35.8057	35.8106	35.8126	35.8105	35.836	35.8776	35.8765	35.873	35.9019	35.8772	35.8812	35.8787

gerak26	gerak27	gerak28	gerak29	gerak30
35.0299	35.0152	35.0112	34.9989	34.982
35.8791	35.886	35.8798	35.8613	35.8494
36.1872	36.2096	36.2046	36.1912	36.19
36.3688	36.3834	36.3868	36.3744	36.3729
36.5764	36.5673	36.5752	36.5629	36.5592
36.7469	36.7267	36.7316	36.727	36.7144
35.8256	35.8124	35.8225	35.8122	35.7991
36.5442	36.5262	36.5399	36.5334	36.517
36.8102	36.7906	36.8045	36.7998	36.7838
36.9408	36.9227	36.9352	36.932	36.9173
37.0188	37.0031	37.0134	37.0113	36.9975

35.8791	35.886	35.8798	35.8613	35.8494
36.1872	36.2096	36.2046	36.1912	36.19
36.5337	36.5198	36.5269	36.5239	36.5054
36.8001	36.7986	36.7938	36.7861	36.7703
36.8044	36.7876	36.7929	36.7903	36.7732
36.8147	36.8378	36.832	36.8131	36.8163
36.9323	36.9187	36.927	36.9265	36.9074
35.879	35.8859	35.8797	35.8612	35.8494

D.3 PSNR Threshold 15 gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	32.8178	33.0146	32.9844	33.2417	33.1582	33.1338	33.0729	33.0515	33.049	33.0117	33.0257	33.0199
db2	33.6892	33.9523	33.9212	34.0438	34.0191	34.0063	33.973	33.9664	33.9578	33.9487	33.9682	33.973
db3	34.0558	34.3475	34.34	34.39	34.3913	34.3782	34.3729	34.3557	34.3438	34.3442	34.3656	34.3655
db4	34.2942	34.5953	34.594	34.6084	34.6195	34.595	34.6127	34.5889	34.5763	34.5762	34.5824	34.5848
db5	34.5003	34.8102	34.8087	34.8052	34.8301	34.809	34.8319	34.8017	34.8016	34.7767	34.7778	34.7724
db6	34.613	34.9481	34.9314	34.9266	34.9613	34.9404	34.9434	34.923	34.9283	34.8967	34.9048	34.9028
coif1	33.7392	33.9972	33.9846	34.0226	34.0434	34.0159	34.0182	33.9993	33.9928	33.9661	33.97	33.9661
coif2	34.449	34.762	34.745	34.7575	34.7866	34.7578	34.768	34.7472	34.7428	34.7163	34.7225	34.7158
coif3	34.6894	35.0247	35.0073	35.0049	35.0375	35.0098	35.0218	35.0024	35.0012	34.9761	34.9814	34.9758
coif4	34.8022	35.149	35.1302	35.1202	35.1532	35.1269	35.1397	35.1223	35.122	35.0997	35.105	35.0996
coif5	34.8688	35.2218	35.2026	35.1868	35.22	35.1958	35.2087	35.1924	35.1924	35.1724	35.1781	35.1731
sym2	33.6892	33.9523	33.9212	34.0438	34.0191	34.0063	33.973	33.9664	33.9578	33.9487	33.9682	33.973
sym3	34.0558	34.3475	34.34	34.39	34.3913	34.3782	34.3729	34.3557	34.3438	34.3442	34.3656	34.3655
sym4	34.4224	34.7441	34.7115	34.7376	34.7677	34.7441	34.7408	34.72	34.7211	34.6825	34.6956	34.6923
sym5	34.6045	34.9457	34.9021	34.9816	34.9948	34.9763	34.9501	34.934	34.9384	34.8985	34.9183	34.9203
sym6	34.6688	35.0066	34.9875	34.9717	35.0154	35.0002	35.0038	34.9837	34.9893	34.9609	34.9723	34.9663

sym7	34.6467	34.9863	34.975	35.0161	35.0264	35.0072	35.0063	34.9789	34.9738	34.9679	34.9884	34.9827
sym8	34.7877	35.1368	35.1116	35.1018	35.1385	35.1148	35.1192	35.1035	35.1092	35.0782	35.0879	35.0848
ajs1	33.6891	33.9521	33.9211	34.0435	34.0188	34.0061	33.9728	33.9662	33.9577	33.9485	33.9681	33.9729

D.4 PSNR terhadap Threshold 20 Gerak Pertama

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
33.0179	32.9913	32.9948	32.9997	33.0057	33.0187	33.1897	33.1273	33.1016	33.0992	33.0677	33.0589	33.0634
33.9703	33.9392	33.9434	33.9453	33.9429	33.9736	34.0122	34.0102	34.0057	34.0321	34.0056	34.008	34.0067
34.3611	34.3249	34.3345	34.3348	34.3277	34.3511	34.3854	34.3799	34.3688	34.392	34.3619	34.3669	34.3698
34.571	34.5346	34.5558	34.5555	34.5569	34.5693	34.6053	34.5809	34.5716	34.5966	34.565	34.5657	34.5691
34.7688	34.7264	34.747	34.7589	34.7789	34.7789	34.8085	34.7882	34.778	34.787	34.7616	34.7559	34.7677
34.902	34.86	34.8818	34.8967	34.924	34.9274	34.9298	34.9267	34.9207	34.9315	34.9081	34.9067	34.9123
33.9615	33.9251	33.9374	33.9507	33.9709	33.9697	34.0032	33.986	33.9651	33.9794	33.9502	33.9438	33.9495
34.7125	34.6756	34.6915	34.7095	34.7359	34.738	34.7498	34.7364	34.7194	34.7375	34.7076	34.7036	34.7084
34.9729	34.9362	34.9543	34.9729	34.9995	35.0063	35.0055	34.9943	34.9819	35.0008	34.9725	34.9702	34.9746
35.0965	35.0596	35.0802	35.098	35.1247	35.1339	35.1257	35.116	35.107	35.1263	35.0985	35.0993	35.103
35.1693	35.1325	35.1551	35.1712	35.1985	35.2093	35.196	35.1881	35.1807	35.2006	35.1732	35.1754	35.1784
33.9703	33.9392	33.9434	33.9453	33.9429	33.9736	34.0122	34.0102	34.0057	34.0321	34.0056	34.008	34.0067
34.3611	34.3249	34.3345	34.3348	34.3277	34.3511	34.3854	34.3799	34.3688	34.392	34.3619	34.3669	34.3698
34.6875	34.6478	34.6673	34.6806	34.7118	34.7155	34.7218	34.7155	34.7008	34.7201	34.6925	34.687	34.6946
34.92	34.8841	34.9069	34.9259	34.9362	34.9685	34.9567	34.9522	34.9534	34.9864	34.9578	34.9572	34.9608
34.9638	34.9221	34.9417	34.9587	34.9919	35.0008	34.9733	34.9747	34.9749	34.9921	34.9637	34.9635	34.9731
34.9762	34.9377	34.9558	34.9599	34.9599	34.9872	35.0204	34.9983	34.9972	35.0186	34.9874	34.9923	34.9964
35.0819	35.0411	35.0644	35.0823	35.1118	35.1233	35.1012	35.0998	35.0951	35.1139	35.089	35.0863	35.0899
33.9702	33.9391	33.9433	33.9451	33.9428	33.9735	34.0119	34.01	34.0055	34.0319	34.0054	34.0078	34.0065

gerak26	gerak27	gerak28	gerak29	gerak30
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33.0623	33.0489	33.047	33.0328	33.015
34.0073	34.0192	34.014	33.9897	33.9778
34.3667	34.387	34.3852	34.3689	34.3647
34.5752	34.5859	34.5924	34.5754	34.5703
34.7821	34.7738	34.7812	34.7641	34.7541
34.9289	34.9145	34.9178	34.9066	34.8944
33.9671	33.9561	33.9697	33.9571	33.9406
34.7317	34.7171	34.7295	34.721	34.7027
34.9973	34.9836	34.9956	34.9875	34.9695
35.1234	35.1106	35.1236	35.1151	35.0977
35.1978	35.1861	35.1991	35.1897	35.1738
34.0073	34.0192	34.014	33.9897	33.9778
34.3667	34.387	34.3852	34.3689	34.3647
34.7109	34.7035	34.7133	34.7063	34.6863
34.9725	34.9741	34.9734	34.9611	34.944
34.9877	34.9785	34.9834	34.9746	34.9552
34.9977	35.0191	35.0157	34.9953	34.9921
35.1106	35.1037	35.1127	35.1061	35.0865
34.0072	34.0191	34.0139	33.9895	33.9777

Lampiran E. Tabel Pengujian Pengaruh Threshold terhadap Gelombang Singkat dengan Rasio Kompresi sebagai Tolok Ukur

E.1 Rasio Kompresi Threshold 5 pada gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	96.6815	96.7256	96.725	96.7578	96.7569	96.7496	96.7422	96.7378	96.7333	96.7304	96.7371	96.7352
db2	96.5223	96.5849	96.5831	96.6376	96.623	96.6135	96.6054	96.5978	96.5951	96.5871	96.5928	96.5905
db3	96.478	96.5378	96.5318	96.5959	96.5809	96.5719	96.5588	96.5561	96.5536	96.5449	96.5491	96.5454
db4	96.4612	96.5066	96.4992	96.5711	96.5554	96.5447	96.5319	96.5236	96.5249	96.5148	96.5195	96.5186

db5	96.4877	96.5368	96.5319	96.6004	96.5865	96.5756	96.5616	96.5576	96.5542	96.5454	96.5526	96.5534
db6	96.506	96.5649	96.5602	96.6242	96.6102	96.6042	96.5906	96.5844	96.5814	96.5766	96.5786	96.5797
coif1	96.5172	96.5688	96.5658	96.6317	96.6135	96.606	96.593	96.5894	96.5837	96.5805	96.5851	96.5873
coif2	96.5141	96.5619	96.5616	96.6278	96.6102	96.6019	96.5916	96.585	96.5797	96.5768	96.582	96.5832
coif3	96.5105	96.5583	96.5567	96.6214	96.6067	96.5958	96.5877	96.58	96.576	96.5731	96.5777	96.576
coif4	96.5079	96.5553	96.5536	96.6182	96.6031	96.5936	96.5846	96.5771	96.5731	96.5692	96.5737	96.5733
coif5	96.5054	96.5532	96.55	96.6148	96.5998	96.5906	96.5817	96.5741	96.5701	96.5675	96.5715	96.5702
sym2	96.5223	96.5849	96.5831	96.6376	96.623	96.6135	96.6054	96.5978	96.5951	96.5871	96.5928	96.5905
sym3	96.478	96.5378	96.5318	96.5959	96.5809	96.5719	96.5588	96.5561	96.5536	96.5449	96.5491	96.5454
sym4	96.5226	96.5799	96.5772	96.6374	96.6221	96.613	96.6037	96.5981	96.5917	96.5935	96.5965	96.5951
sym5	96.5785	96.6272	96.6254	96.6738	96.6615	96.6528	96.6471	96.643	96.6386	96.6339	96.6381	96.6364
sym6	96.5233	96.5818	96.5778	96.6394	96.6237	96.6182	96.6053	96.6006	96.5949	96.5941	96.5956	96.5942
sym7	96.4802	96.5388	96.5297	96.5972	96.581	96.5719	96.5619	96.556	96.552	96.5442	96.5466	96.5458
sym8	96.5157	96.5683	96.5673	96.6306	96.6128	96.6037	96.5946	96.5892	96.5852	96.5805	96.5862	96.5847
ajs1	96.522	96.5846	96.5832	96.6379	96.6229	96.6137	96.6054	96.5972	96.5948	96.5869	96.5926	96.5897

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
96.7338	96.7214	96.7221	96.7188	96.7198	96.7246	96.7431	96.7446	96.7361	96.7397	96.7356	96.7389	96.7376
96.5883	96.5786	96.5779	96.5758	96.577	96.5805	96.6161	96.608	96.6021	96.6021	96.5949	96.594	96.5943
96.545	96.5347	96.5322	96.53	96.5335	96.5382	96.5737	96.5696	96.5599	96.5591	96.5528	96.554	96.5516
96.5152	96.5052	96.5031	96.5016	96.5044	96.509	96.5492	96.5462	96.5382	96.5373	96.5296	96.5308	96.5309
96.5497	96.5394	96.5382	96.5319	96.5352	96.5411	96.5788	96.5749	96.5655	96.5684	96.5629	96.5629	96.5631
96.5808	96.5682	96.5643	96.5611	96.559	96.5699	96.6031	96.5995	96.5913	96.5941	96.5863	96.5875	96.5859
96.5858	96.5705	96.5702	96.5651	96.5667	96.576	96.6103	96.604	96.598	96.6004	96.5926	96.5944	96.5948
96.5812	96.5688	96.5647	96.5632	96.5629	96.571	96.6065	96.5984	96.5933	96.5957	96.5884	96.5884	96.5888
96.5757	96.5651	96.5613	96.5561	96.5566	96.5652	96.601	96.5968	96.5885	96.5917	96.5852	96.5854	96.5851
96.573	96.5616	96.5594	96.5534	96.5544	96.5622	96.5989	96.5927	96.5845	96.5875	96.5806	96.5813	96.5803
96.5696	96.5574	96.556	96.5513	96.5503	96.5576	96.596	96.5904	96.5828	96.5849	96.5781	96.5794	96.5771

96.5883	96.5786	96.5779	96.5758	96.577	96.5805	96.6161	96.608	96.6021	96.6021	96.5949	96.594	96.5943
96.545	96.5347	96.5322	96.53	96.5335	96.5382	96.5737	96.5696	96.5599	96.5591	96.5528	96.554	96.5516
96.5963	96.5835	96.5823	96.577	96.5756	96.5869	96.6193	96.6162	96.6049	96.6066	96.6006	96.603	96.6025
96.6379	96.6259	96.6238	96.6219	96.6208	96.6282	96.6574	96.6534	96.6464	96.6466	96.6422	96.6431	96.6415
96.5932	96.5858	96.5836	96.5778	96.5764	96.5852	96.6199	96.6163	96.6059	96.6114	96.6034	96.6048	96.6029
96.5448	96.5357	96.532	96.528	96.5317	96.5366	96.5712	96.5688	96.5597	96.5577	96.5511	96.5515	96.5509
96.5847	96.573	96.5694	96.5638	96.5641	96.5732	96.6092	96.604	96.5949	96.5984	96.5915	96.5914	96.592
96.5881	96.5792	96.5769	96.5754	96.5769	96.5803	96.6163	96.6079	96.6018	96.602	96.5951	96.5933	96.5949

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
96.7423	96.7414	96.7438	96.734	96.7273	96.73391
96.5968	96.5934	96.5955	96.5909	96.5833	96.59275
96.5544	96.5521	96.5533	96.5462	96.5379	96.54941
96.5319	96.5268	96.529	96.5197	96.5137	96.52311
96.5655	96.5615	96.5616	96.5543	96.5474	96.55487
96.5892	96.5838	96.5894	96.5803	96.5729	96.58092
96.5964	96.591	96.5938	96.5844	96.5786	96.5865
96.5894	96.5847	96.5878	96.5782	96.5704	96.58192
96.5858	96.5815	96.5845	96.5755	96.569	96.57766
96.5816	96.5779	96.5821	96.5724	96.5656	96.5744
96.5801	96.5748	96.5783	96.5695	96.5634	96.57153
96.5968	96.5934	96.5955	96.5909	96.5833	96.59275
96.5544	96.5521	96.5533	96.5462	96.5379	96.54941
96.6037	96.5993	96.6033	96.593	96.5851	96.59566
96.645	96.6411	96.6444	96.6352	96.6276	96.63796
96.6041	96.6022	96.6035	96.5949	96.5884	96.59695
96.5545	96.551	96.5529	96.5469	96.5377	96.54893
96.592	96.5872	96.5921	96.5832	96.5751	96.58527

96.5967	96.5934	96.5955	96.5908	96.5837	96.59264
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E.2 Rasio Kompresi Threshold 10 pada gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	96.8888	96.9053	96.9082	96.9212	96.9198	96.9143	96.9125	96.9049	96.9014	96.9066	96.9131	96.91
db2	96.6409	96.6913	96.6956	96.7371	96.726	96.7152	96.7078	96.7036	96.7006	96.6969	96.6966	96.6959
db3	96.6373	96.6883	96.6836	96.7374	96.7238	96.7128	96.7036	96.7016	96.6997	96.693	96.6937	96.6907
db4	96.5996	96.6353	96.6328	96.6906	96.6753	96.6655	96.6558	96.6493	96.6486	96.6431	96.6461	96.645
db5	96.6528	96.6945	96.6878	96.7451	96.7321	96.7238	96.7092	96.7062	96.7049	96.6996	96.7053	96.7056
db6	96.688	96.7386	96.7346	96.787	96.7765	96.7682	96.7572	96.7494	96.7491	96.7442	96.7472	96.7493
coif1	96.6382	96.6781	96.6795	96.7287	96.7153	96.7071	96.6955	96.6909	96.6895	96.6858	96.6934	96.6933
coif2	96.673	96.7104	96.7096	96.7596	96.7477	96.7386	96.7294	96.7245	96.7201	96.7184	96.7222	96.7258
coif3	96.6773	96.7159	96.7135	96.763	96.7521	96.744	96.7351	96.7274	96.7268	96.7235	96.7278	96.7288
coif4	96.6784	96.7149	96.7132	96.7624	96.7532	96.7449	96.7349	96.7276	96.7269	96.7235	96.7288	96.7282
coif5	96.6753	96.7148	96.7135	96.7629	96.7511	96.7439	96.7333	96.7264	96.7254	96.7228	96.7271	96.7272
sym2	96.6409	96.6913	96.6956	96.7371	96.726	96.7152	96.7078	96.7036	96.7006	96.6969	96.6966	96.6959
sym3	96.6373	96.6883	96.6836	96.7374	96.7238	96.7128	96.7036	96.7016	96.6997	96.693	96.6937	96.6907
sym4	96.6784	96.7236	96.726	96.7714	96.7604	96.7521	96.7428	96.7366	96.7324	96.7328	96.7368	96.7379
sym5	96.7771	96.8093	96.8085	96.8463	96.8366	96.8255	96.8204	96.8165	96.8147	96.8135	96.8175	96.8182
sym6	96.7045	96.752	96.7489	96.7982	96.7868	96.7781	96.7683	96.7639	96.7592	96.7591	96.7627	96.7632
sym7	96.651	96.7032	96.6961	96.751	96.7394	96.7288	96.7185	96.714	96.714	96.7081	96.7082	96.7075
sym8	96.6879	96.7293	96.7272	96.7761	96.7649	96.756	96.747	96.7411	96.7387	96.7375	96.7416	96.7409
ajs1	96.6412	96.6909	96.6954	96.7371	96.7257	96.7149	96.7075	96.7028	96.7001	96.6968	96.6966	96.6959

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
96.9075	96.8992	96.8956	96.8958	96.8944	96.8997	96.9107	96.9128	96.906	96.9091	96.9065	96.9088	96.9088
96.6942	96.6848	96.6851	96.6814	96.6838	96.6846	96.7181	96.7083	96.7033	96.702	96.6985	96.6941	96.6941

96.6906	96.6815	96.6797	96.6765	96.6827	96.6847	96.7166	96.7108	96.7024	96.7026	96.6986	96.6956	96.6963
96.6422	96.6361	96.6333	96.6311	96.6325	96.6376	96.6693	96.669	96.6606	96.6596	96.654	96.6555	96.655
96.705	96.6958	96.6903	96.6876	96.6879	96.6932	96.7264	96.7221	96.7133	96.7175	96.7121	96.7115	96.7129
96.7509	96.7424	96.7367	96.7312	96.7324	96.7379	96.7706	96.7643	96.7578	96.759	96.7558	96.7545	96.7529
96.6959	96.682	96.6795	96.6735	96.6753	96.6828	96.7098	96.71	96.7023	96.7015	96.6995	96.6994	96.7021
96.7262	96.7142	96.7111	96.705	96.7054	96.7119	96.7398	96.7398	96.733	96.7332	96.7312	96.7284	96.7298
96.7285	96.7201	96.7159	96.7079	96.7091	96.7175	96.7463	96.7447	96.7366	96.7386	96.7346	96.732	96.7343
96.7283	96.7196	96.7174	96.7083	96.7097	96.7177	96.7475	96.7447	96.7361	96.7378	96.7348	96.7322	96.7325
96.7264	96.7186	96.7149	96.7069	96.7064	96.7153	96.7474	96.7413	96.7356	96.7367	96.7343	96.7322	96.7309
96.6942	96.6848	96.6851	96.6814	96.6838	96.6846	96.7181	96.7083	96.7033	96.702	96.6985	96.6941	96.6941
96.6906	96.6815	96.6797	96.6765	96.6827	96.6847	96.7166	96.7108	96.7024	96.7026	96.6986	96.6956	96.6963
96.7393	96.7309	96.7249	96.7211	96.7195	96.7273	96.7564	96.7535	96.7428	96.7474	96.7416	96.7426	96.7417
96.8165	96.8051	96.8005	96.7987	96.7985	96.8062	96.8321	96.8303	96.8235	96.8231	96.8174	96.8204	96.8178
96.7613	96.7531	96.7503	96.7445	96.7431	96.7505	96.7824	96.7775	96.768	96.772	96.7681	96.7669	96.7675
96.7086	96.698	96.6961	96.6922	96.6944	96.698	96.73	96.7265	96.7172	96.7175	96.7117	96.7123	96.7114
96.7425	96.7318	96.7278	96.7224	96.723	96.7286	96.7602	96.7554	96.7459	96.751	96.7459	96.7438	96.7464
96.6934	96.6849	96.6856	96.6809	96.6837	96.6841	96.7173	96.7077	96.7032	96.7023	96.6986	96.6939	96.6939

gerak26	gerak27	gerak28	gerak29	gerak30
96.9124	96.9165	96.9181	96.9109	96.9052
96.6988	96.6955	96.7015	96.6968	96.6881
96.6988	96.6947	96.6968	96.6904	96.6837
96.6552	96.6565	96.6545	96.648	96.6412
96.7106	96.711	96.7133	96.7042	96.6978
96.7526	96.7529	96.7548	96.7461	96.7424
96.6972	96.6988	96.6996	96.6901	96.6833
96.7287	96.7268	96.7294	96.7225	96.7169
96.7326	96.7303	96.7332	96.7268	96.7201

96.7309	96.7311	96.7338	96.7269	96.7203
96.7301	96.7294	96.7322	96.7258	96.7196
96.6988	96.6955	96.7015	96.6968	96.6881
96.6988	96.6947	96.6968	96.6904	96.6837
96.7433	96.7403	96.7416	96.7344	96.7281
96.818	96.8186	96.8192	96.8121	96.808
96.766	96.7659	96.7676	96.7586	96.7546
96.7128	96.7105	96.7142	96.7073	96.6997
96.7457	96.7427	96.746	96.7381	96.7321
96.6983	96.6958	96.7012	96.6965	96.6873

E.3 Rasio Kompresi Threshold 15 pada gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	96.9748	96.9896	96.9922	97.0056	97.0037	96.9965	96.9932	96.9893	96.9854	96.9896	96.9938	96.9941
db2	96.7004	96.7503	96.7523	96.7877	96.7746	96.7657	96.7599	96.7562	96.7522	96.7517	96.7538	96.7536
db3	96.753	96.8003	96.7969	96.84	96.8284	96.8211	96.8112	96.8065	96.8046	96.8045	96.802	96.8024
db4	96.6993	96.7333	96.7329	96.7783	96.7667	96.7573	96.7473	96.7442	96.7431	96.7409	96.7435	96.7425
db5	96.7681	96.8046	96.8038	96.8477	96.8369	96.8292	96.8185	96.8147	96.8121	96.811	96.8168	96.8162
db6	96.8174	96.8663	96.8627	96.9093	96.8937	96.8894	96.8792	96.8724	96.8725	96.8699	96.8721	96.8737
coif1	96.7056	96.742	96.743	96.7828	96.7741	96.7665	96.7552	96.753	96.7486	96.7485	96.7537	96.7558
coif2	96.7775	96.8114	96.8109	96.853	96.8417	96.834	96.8275	96.8222	96.8187	96.8166	96.8218	96.8215
coif3	96.7891	96.824	96.8229	96.8649	96.8559	96.8483	96.841	96.8356	96.8314	96.8303	96.8346	96.8334
coif4	96.7942	96.8283	96.8254	96.8686	96.8593	96.851	96.8436	96.8383	96.8353	96.8347	96.8383	96.8376
coif5	96.7944	96.8294	96.8261	96.8689	96.8597	96.8511	96.844	96.8386	96.8372	96.8357	96.8383	96.8368
sym2	96.7004	96.7503	96.7523	96.7877	96.7746	96.7657	96.7599	96.7562	96.7522	96.7517	96.7538	96.7536
sym3	96.753	96.8003	96.7969	96.84	96.8284	96.8211	96.8112	96.8065	96.8046	96.8045	96.802	96.8024

sym4	96.776	96.8205	96.8214	96.8603	96.8482	96.8431	96.8336	96.8291	96.8244	96.8253	96.8305	96.8303
sym5	96.8962	96.9249	96.9221	96.9559	96.9454	96.9378	96.9351	96.9296	96.9262	96.9257	96.9311	96.9295
sym6	96.825	96.8687	96.8659	96.9082	96.8976	96.8904	96.8807	96.8763	96.8722	96.8723	96.8769	96.8783
sym7	96.7829	96.8307	96.8266	96.8702	96.8584	96.8509	96.8415	96.8364	96.8355	96.8327	96.8349	96.8337
sym8	96.8007	96.8366	96.8384	96.8782	96.8706	96.8611	96.8538	96.8473	96.8465	96.846	96.8485	96.8505
ajs1	96.7006	96.7497	96.7524	96.7866	96.775	96.7656	96.76	96.7556	96.7516	96.751	96.7541	96.7533

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
96.99	96.9831	96.9803	96.9762	96.9769	96.9799	96.994	96.995	96.9911	96.9902	96.9866	96.9886	96.9918
96.7504	96.7408	96.7401	96.7365	96.7388	96.7397	96.7703	96.7632	96.7566	96.7564	96.7519	96.7498	96.7487
96.8045	96.7939	96.7925	96.7885	96.7936	96.7957	96.8244	96.8174	96.8086	96.811	96.8082	96.806	96.8038
96.7425	96.7339	96.7284	96.7274	96.7303	96.7316	96.7603	96.7611	96.7535	96.7511	96.7481	96.747	96.748
96.8164	96.8084	96.8032	96.8002	96.8002	96.8063	96.8325	96.8296	96.8221	96.825	96.8212	96.8203	96.8224
96.8767	96.8675	96.8605	96.8572	96.8582	96.8644	96.8916	96.8888	96.8819	96.8832	96.8789	96.8775	96.8753
96.7563	96.7446	96.7404	96.7389	96.7355	96.7436	96.7682	96.7685	96.7627	96.7611	96.7592	96.7598	96.7616
96.8215	96.8135	96.8072	96.8047	96.805	96.8102	96.8351	96.8321	96.8264	96.8291	96.8258	96.8266	96.8258
96.8336	96.8268	96.8219	96.8187	96.8165	96.8223	96.8504	96.8464	96.8393	96.8417	96.8389	96.8377	96.8376
96.8373	96.8306	96.8261	96.8214	96.8209	96.8262	96.8535	96.8509	96.8432	96.8451	96.8431	96.8412	96.8418
96.8368	96.8313	96.8275	96.8224	96.8211	96.8268	96.8543	96.8509	96.8434	96.8446	96.8429	96.8426	96.8427
96.7504	96.7408	96.7401	96.7365	96.7388	96.7397	96.7703	96.7632	96.7566	96.7564	96.7519	96.7498	96.7487
96.8045	96.7939	96.7925	96.7885	96.7936	96.7957	96.8244	96.8174	96.8086	96.811	96.8082	96.806	96.8038
96.8297	96.8223	96.8169	96.8144	96.8135	96.8193	96.8452	96.844	96.8363	96.8384	96.8334	96.8359	96.8344
96.9296	96.9225	96.9147	96.9123	96.915	96.917	96.9438	96.9411	96.9349	96.9346	96.9305	96.9318	96.9309
96.8733	96.8676	96.8652	96.8604	96.8592	96.8645	96.8921	96.8892	96.8826	96.885	96.8814	96.8789	96.8795
96.8364	96.8266	96.8217	96.8223	96.8216	96.8262	96.8526	96.8494	96.8423	96.8445	96.8391	96.8381	96.8361
96.8484	96.8413	96.8351	96.8314	96.8318	96.8367	96.863	96.8608	96.8547	96.8564	96.8511	96.8529	96.8532
96.7498	96.7405	96.7397	96.7359	96.7385	96.7399	96.7706	96.7634	96.7567	96.7561	96.7514	96.7498	96.7483

gerak26	gerak27	gerak28	gerak29	gerak30
96.9954	96.9984	96.9992	96.9919	96.986
96.7533	96.7525	96.7541	96.7493	96.744
96.8075	96.8055	96.8078	96.802	96.796
96.7485	96.7503	96.7518	96.7439	96.7364
96.8207	96.8233	96.8247	96.816	96.8122
96.8763	96.8777	96.8789	96.8709	96.865
96.7573	96.7606	96.7619	96.7527	96.7478
96.8249	96.8266	96.8286	96.8188	96.816
96.837	96.8391	96.841	96.8339	96.8268
96.8381	96.8423	96.844	96.8379	96.8311
96.8372	96.8426	96.8453	96.837	96.831
96.7533	96.7525	96.7541	96.7493	96.744
96.8075	96.8055	96.8078	96.802	96.796
96.8351	96.8354	96.8372	96.8279	96.8223
96.9324	96.9343	96.9348	96.9274	96.9214
96.8791	96.8842	96.8805	96.8736	96.8712
96.84	96.8388	96.8416	96.8335	96.8275
96.8504	96.8492	96.8557	96.8451	96.8402
96.7529	96.752	96.7538	96.7495	96.7444

E.4 Rasio Kompresi Threshold 20 pada gerak pertama

gs	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	97.0423	97.0484	97.052	97.0688	97.0622	97.059	97.0527	97.0498	97.0486	97.054	97.0574	97.0557
db2	96.7438	96.7885	96.7925	96.8245	96.8138	96.8058	96.7978	96.7939	96.7923	96.7926	96.7922	96.7935
db3	96.8442	96.8898	96.8886	96.9232	96.9126	96.9062	96.8978	96.8961	96.8937	96.8915	96.8914	96.8917
db4	96.7764	96.8097	96.8108	96.8466	96.8369	96.8273	96.8203	96.8165	96.8171	96.8126	96.818	96.8166

db5	96.8578	96.8921	96.8925	96.9285	96.9193	96.9101	96.9011	96.8997	96.8973	96.8939	96.9008	96.9013
db6	96.9179	96.9642	96.9618	97.0007	96.9903	96.9845	96.9771	96.97	96.968	96.9654	96.9696	96.9709
coif1	96.7567	96.7934	96.7922	96.8269	96.8186	96.8096	96.8016	96.801	96.797	96.7949	96.8019	96.8038
coif2	96.8549	96.8867	96.887	96.9227	96.9115	96.9069	96.8982	96.8937	96.8932	96.8908	96.8947	96.8961
coif3	96.8729	96.9061	96.9021	96.9385	96.9302	96.925	96.9193	96.9125	96.9111	96.9097	96.9131	96.9159
coif4	96.8789	96.9134	96.9087	96.9459	96.9379	96.9323	96.9241	96.9204	96.9181	96.9178	96.9203	96.9215
coif5	96.8814	96.9154	96.9122	96.9478	96.9404	96.9325	96.9259	96.9208	96.9204	96.9195	96.9227	96.9239
sym2	96.7438	96.7885	96.7925	96.8245	96.8138	96.8058	96.7978	96.7939	96.7923	96.7926	96.7922	96.7935
sym3	96.8442	96.8898	96.8886	96.9232	96.9126	96.9062	96.8978	96.8961	96.8937	96.8915	96.8914	96.8917
sym4	96.8495	96.8911	96.8923	96.9252	96.9153	96.909	96.9014	96.8983	96.895	96.8931	96.8982	96.8991
sym5	96.9818	97.007	97.0047	97.0356	97.0284	97.0188	97.0154	97.0103	97.0073	97.0088	97.013	97.0116
sym6	96.9154	96.958	96.9546	96.9913	96.9801	96.975	96.9648	96.9617	96.9583	96.9575	96.9611	96.9633
sym7	96.8882	96.9332	96.9306	96.9645	96.9554	96.9479	96.9414	96.9372	96.9364	96.9351	96.9368	96.9354
sym8	96.882	96.9197	96.9198	96.9552	96.9475	96.9399	96.9326	96.9281	96.9265	96.9253	96.9271	96.9305
ajs1	96.743	96.7885	96.793	96.8242	96.8131	96.8058	96.797	96.7941	96.7921	96.7925	96.7918	96.7937
gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
97.0522	97.0454	97.0402	97.0408	97.0401	97.042	97.0562	97.0565	97.0504	97.053	97.0481	97.0509	97.0526
96.7911	96.7823	96.7808	96.7776	96.779	96.7806	96.81	96.8036	96.797	96.7959	96.7925	96.7897	96.7888
96.8933	96.8814	96.8828	96.8777	96.8825	96.8871	96.9105	96.9054	96.8979	96.9008	96.8989	96.8967	96.8961
96.8171	96.8112	96.8044	96.8037	96.8042	96.8099	96.8323	96.8307	96.8255	96.8241	96.822	96.8224	96.823
96.9031	96.8925	96.8895	96.8849	96.8878	96.8911	96.9161	96.9136	96.9079	96.9107	96.9057	96.9038	96.9061
96.9732	96.964	96.9593	96.9557	96.9577	96.9626	96.9863	96.982	96.978	96.9782	96.974	96.9734	96.9712
96.8031	96.7937	96.7885	96.786	96.7849	96.7893	96.8127	96.8141	96.8079	96.8073	96.8057	96.8089	96.8074
96.8942	96.8872	96.881	96.8788	96.8788	96.8844	96.9072	96.9058	96.8992	96.9009	96.8986	96.8998	96.8995
96.9137	96.9069	96.901	96.8987	96.8984	96.903	96.9268	96.9258	96.9182	96.9193	96.9184	96.9184	96.9185
96.9214	96.9144	96.9073	96.9072	96.9053	96.9099	96.9335	96.9309	96.9251	96.9255	96.9264	96.9249	96.9251
96.922	96.9149	96.9097	96.9082	96.907	96.9117	96.9371	96.9328	96.9274	96.9292	96.9269	96.9267	96.9279
96.7911	96.7823	96.7808	96.7776	96.779	96.7806	96.81	96.8036	96.797	96.7959	96.7925	96.7897	96.7888
96.8933	96.8814	96.8828	96.8777	96.8825	96.8871	96.9105	96.9054	96.8979	96.9008	96.8989	96.8967	96.8961

96.8985	96.8906	96.8861	96.8831	96.8823	96.8887	96.9106	96.9097	96.9037	96.906	96.9016	96.9033	96.9031
97.0119	97.0054	96.9982	96.9979	96.9995	97.003	97.0243	97.0221	97.0179	97.0156	97.0129	97.0139	97.0134
96.9609	96.9541	96.9501	96.9457	96.9461	96.9511	96.9761	96.9723	96.9687	96.97	96.9656	96.964	96.9635
96.9383	96.9288	96.9255	96.9246	96.9237	96.9295	96.9517	96.9504	96.9418	96.9469	96.9414	96.9405	96.9408
96.9284	96.9218	96.9159	96.9143	96.9134	96.9183	96.9409	96.9391	96.9341	96.9348	96.9322	96.933	96.9328
96.7912	96.7816	96.7807	96.7773	96.7792	96.7803	96.8103	96.8032	96.7972	96.7962	96.7921	96.7896	96.7886

gerak26	gerak27	gerak28	gerak29	gerak30
97.0579	97.0585	97.0584	97.0503	97.0475
96.7931	96.7928	96.7967	96.7916	96.7879
96.8977	96.8963	96.8979	96.8915	96.8854
96.8229	96.8249	96.8276	96.8175	96.8113
96.9052	96.9076	96.91	96.9001	96.8982
96.9739	96.9753	96.9753	96.9691	96.9643
96.8062	96.807	96.8119	96.8029	96.7965
96.8983	96.8998	96.9027	96.8937	96.8888
96.9171	96.9177	96.9213	96.9141	96.9088
96.9219	96.9252	96.929	96.9205	96.9151
96.9242	96.9271	96.9301	96.9211	96.9171
96.7931	96.7928	96.7967	96.7916	96.7879
96.8977	96.8963	96.8979	96.8915	96.8854
96.9043	96.9062	96.9074	96.9005	96.8934
97.0129	97.0166	97.022	97.0121	97.006
96.9665	96.9676	96.9662	96.9609	96.9559
96.9435	96.9412	96.946	96.9359	96.9311
96.9331	96.9321	96.9344	96.925	96.9228
96.7931	96.7924	96.7969	96.7923	96.7872

Lampiran F. Tabel Pengujian Pengaruh level Dekomposisi terhadap Gelombang Singkat dengan PSNR sebagai Tolok Ukur

F.1 PSNR level 3 pada gerak pertama

GS	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	34.2161	34.4417	34.416	34.6522	34.5763	34.5551	34.5006	34.4785	34.4761	34.4444	34.4553	34.4481
db2	34.8517	35.1712	35.1425	35.2572	35.2361	35.2251	35.1966	35.1894	35.1852	35.1767	35.1918	35.1936
db3	35.1262	35.4707	35.4622	35.5002	35.5037	35.495	35.494	35.4816	35.4744	35.4793	35.4908	35.4903
db4	35.2989	35.6613	35.6657	35.6635	35.6743	35.6561	35.6801	35.6593	35.6494	35.6497	35.6555	35.6525
db5	35.4694	35.8441	35.8463	35.8241	35.8553	35.836	35.8628	35.8404	35.8381	35.8168	35.8152	35.8099
db6	35.5738	35.9781	35.9607	35.9391	35.98	35.9619	35.9712	35.952	35.9561	35.9253	35.9322	35.9271
coif1	34.8954	35.2075	35.1987	35.2313	35.2577	35.2327	35.2351	35.2179	35.2135	35.1854	35.1889	35.1815
coif2	35.447	35.8277	35.8119	35.8135	35.8492	35.8256	35.8359	35.8194	35.8147	35.7877	35.7889	35.7816
coif3	35.6366	36.0453	36.0273	36.0095	36.0486	36.0277	36.0438	36.0248	36.0221	35.9988	36.0026	35.9955
coif4	35.7319	36.1547	36.1353	36.1069	36.1476	36.1282	36.1431	36.1259	36.1246	36.1016	36.1062	36.1005
coif5	35.7819	36.2119	36.1935	36.1559	36.1979	36.18	36.1982	36.18	36.1795	36.161	36.1662	36.1603
sym2	34.8517	35.1712	35.1425	35.2572	35.2361	35.2251	35.1966	35.1894	35.1852	35.1767	35.1918	35.1936
sym3	35.1262	35.4707	35.4622	35.5002	35.5037	35.495	35.494	35.4816	35.4744	35.4793	35.4908	35.4903
sym4	35.4302	35.8121	35.7837	35.8022	35.8398	35.8198	35.8189	35.7998	35.7994	35.7668	35.7712	35.7658
sym5	35.5683	35.974	35.9289	35.9914	36.0085	35.9998	35.9742	35.9581	35.9669	35.935	35.9493	35.9481
sym6	35.6255	36.0315	36.0078	35.9863	36.0319	36.0184	36.0244	36.0078	36.0102	35.9832	35.9916	35.9845
sym7	35.595	36.0009	35.9884	36.0313	36.0339	36.0194	36.0176	35.9974	35.9935	35.9882	36.0041	36.0012
sym8	35.7209	36.1447	36.1185	36.0913	36.1367	36.1199	36.1256	36.1081	36.1126	36.0873	36.0928	36.0896
ajs1	34.8517	35.1712	35.1425	35.257	35.236	35.225	35.1966	35.1894	35.1851	35.1767	35.1918	35.1936

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
34.4449	34.4269	34.4291	34.4341	34.4394	34.4451	34.6038	34.5504	34.5285	34.5243	34.497	34.4908	34.491
35.1906	35.1673	35.1716	35.1731	35.1716	35.1935	35.2316	35.2306	35.2274	35.2517	35.2307	35.2336	35.231
35.4906	35.4597	35.4675	35.4685	35.4608	35.4804	35.5012	35.4971	35.4903	35.5134	35.4923	35.4974	35.4967

35.6429	35.6147	35.6302	35.6301	35.6309	35.6406	35.6653	35.6477	35.6396	35.6574	35.6313	35.6325	35.635
35.8062	35.7727	35.7899	35.8007	35.8166	35.815	35.8332	35.8169	35.8108	35.8166	35.7952	35.7906	35.8029
35.9272	35.8922	35.9112	35.9276	35.9528	35.9525	35.9404	35.939	35.937	35.9507	35.9295	35.9295	35.9392
35.1784	35.1497	35.1591	35.1687	35.1859	35.1847	35.2168	35.2022	35.1886	35.1965	35.173	35.1666	35.1753
35.7812	35.7493	35.7625	35.7794	35.8041	35.8039	35.8081	35.8	35.7908	35.8009	35.7786	35.7767	35.7841
35.9944	35.9602	35.9786	35.996	36.0246	36.0258	36.0099	36.0088	36.0049	36.0169	35.994	35.9926	36.0014
36.1	36.0672	36.0835	36.1015	36.1288	36.1352	36.1098	36.1121	36.1078	36.1222	36.1006	36.1018	36.1097
36.1566	36.1256	36.1452	36.1621	36.193	36.1977	36.1658	36.1678	36.1666	36.1827	36.1604	36.163	36.1707
35.1906	35.1673	35.1716	35.1731	35.1716	35.1935	35.2316	35.2306	35.2274	35.2517	35.2307	35.2336	35.231
35.4906	35.4597	35.4675	35.4685	35.4608	35.4804	35.5012	35.4971	35.4903	35.5134	35.4923	35.4974	35.4967
35.7651	35.7325	35.7501	35.7638	35.7917	35.7931	35.7905	35.7885	35.7806	35.792	35.7709	35.7686	35.7773
35.9472	35.9202	35.9419	35.9593	35.972	35.9961	35.9757	35.978	35.9844	36.0098	35.9883	35.9889	35.9982
35.9839	35.9514	35.9698	35.9863	36.0183	36.0218	35.9849	35.9909	35.9917	36.005	35.9834	35.9842	35.9959
35.9971	35.9657	35.9807	35.9859	35.9834	36.0104	36.0352	36.0135	36.0135	36.0348	36.0093	36.0136	36.017
36.0894	36.0531	36.0725	36.0923	36.1205	36.1293	36.0905	36.0971	36.0962	36.1124	36.0953	36.0938	36.102
35.1906	35.1673	35.1716	35.1731	35.1716	35.1935	35.2315	35.2305	35.2273	35.2517	35.2306	35.2336	35.2309

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
34.4905	34.4782	34.4746	34.4631	34.4484	34.47735
35.2326	35.2383	35.2327	35.2172	35.2066	35.19496
35.4987	35.5172	35.5114	35.4998	35.4992	35.47702
35.6402	35.6527	35.6571	35.6463	35.6446	35.63685
35.8135	35.8075	35.8145	35.8025	35.7988	35.80542
35.9546	35.9377	35.9416	35.937	35.9269	35.92947
35.1876	35.1761	35.1836	35.1743	35.1639	35.18255
35.7991	35.7843	35.7948	35.7892	35.7751	35.78551
36.0186	36.0014	36.0114	36.0072	35.9948	35.99747
36.1258	36.1103	36.1201	36.1175	36.106	36.10221

36.1872	36.174	36.1816	36.1788	36.1678	36.16043
35.2326	35.2383	35.2327	35.2172	35.2066	35.19496
35.4987	35.5172	35.5114	35.4998	35.4992	35.47702
35.7912	35.7789	35.7857	35.7822	35.7668	35.77264
36.0077	36.006	36.0011	35.995	35.9814	35.96179
36.0105	35.9966	36.0011	35.9975	35.9834	35.98532
36.0197	36.039	36.0337	36.0172	36.02	35.99535
36.1187	36.1074	36.1132	36.1132	36.0981	36.09143
35.2326	35.2383	35.2327	35.2172	35.2067	35.19493

F.2 PSNR level 4 pada gerak pertama

GS	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	34.0669	34.286	34.2611	34.4891	34.4157	34.395	34.3419	34.3213	34.319	34.2885	34.2989	34.2915
db2	34.6812	34.9963	34.9681	35.0785	35.0582	35.0469	35.0198	35.0127	35.0089	35.0002	35.0156	35.0173
db3	34.9405	35.2797	35.2714	35.3078	35.3115	35.303	35.3021	35.29	35.2832	35.2882	35.2989	35.2985
db4	35.1067	35.4615	35.4657	35.4637	35.4736	35.4565	35.4795	35.4596	35.4502	35.4508	35.4562	35.4534
db5	35.2669	35.6342	35.6363	35.616	35.6457	35.6268	35.6526	35.6314	35.6294	35.6083	35.6076	35.6022
db6	35.3661	35.7607	35.7444	35.7233	35.7623	35.7449	35.7542	35.7358	35.7401	35.7103	35.7174	35.7121
coif1	34.7204	35.0294	35.021	35.0523	35.0775	35.0538	35.0558	35.0391	35.0354	35.0086	35.0116	35.004
coif2	35.2506	35.6227	35.6078	35.6097	35.6437	35.6212	35.631	35.6154	35.6109	35.5851	35.5867	35.5793
coif3	35.4299	35.8281	35.8105	35.7943	35.8317	35.8119	35.8272	35.8089	35.8061	35.7843	35.7881	35.781
coif4	35.5215	35.934	35.9161	35.8898	35.9282	35.9093	35.9235	35.9076	35.9061	35.8834	35.8882	35.8827
coif5	35.5673	35.9865	35.9689	35.9333	35.9731	35.9552	35.9725	35.9554	35.955	35.9373	35.942	35.9371
sym2	34.6812	34.9963	34.9681	35.0785	35.0582	35.0469	35.0198	35.0127	35.0089	35.0002	35.0156	35.0173
sym3	34.9405	35.2797	35.2714	35.3078	35.3115	35.303	35.3021	35.29	35.2832	35.2882	35.2989	35.2985
sym4	35.2318	35.6061	35.5794	35.5975	35.6333	35.6141	35.6134	35.5945	35.5943	35.5635	35.5677	35.5624
sym5	35.3636	35.7611	35.7176	35.7783	35.7945	35.7862	35.7621	35.7463	35.7548	35.7241	35.7381	35.7364

sym6	35.4192	35.8154	35.7927	35.7727	35.8162	35.8035	35.81	35.7943	35.7968	35.7707	35.7782	35.7717
sym7	35.3898	35.7859	35.7735	35.8156	35.8182	35.8042	35.8022	35.7825	35.7791	35.774	35.7893	35.7862
sym8	35.5117	35.925	35.8995	35.8739	35.9172	35.9013	35.9073	35.8905	35.8943	35.8708	35.8758	35.8719
ajs1	34.6812	34.9963	34.9682	35.0784	35.0581	35.0469	35.0199	35.0127	35.009	35.0003	35.0157	35.0174

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
34.2889	34.2712	34.2733	34.2785	34.283	34.289	34.4418	34.3904	34.3692	34.3649	34.3389	34.3329	34.333
35.0136	34.9912	34.9952	34.9964	34.9952	35.0164	35.0523	35.0516	35.0485	35.072	35.0521	35.0553	35.0528
35.2992	35.27	35.2773	35.2777	35.2701	35.2892	35.3094	35.3051	35.2987	35.3212	35.301	35.3058	35.3056
35.4441	35.4168	35.4324	35.4321	35.4331	35.4418	35.4652	35.4486	35.4412	35.4581	35.4333	35.4347	35.4369
35.5984	35.5663	35.5829	35.5929	35.6085	35.607	35.6244	35.6091	35.6029	35.6089	35.5883	35.5839	35.5955
35.7127	35.6793	35.697	35.7123	35.7365	35.7358	35.7248	35.7238	35.7217	35.7346	35.7145	35.7147	35.724
35.0014	34.9736	34.9828	34.9913	35.008	35.0068	35.0381	35.0238	35.0107	35.0182	34.9958	34.9896	34.998
35.5789	35.5481	35.5608	35.5767	35.6005	35.5998	35.6041	35.5959	35.5874	35.5972	35.5765	35.5743	35.5819
35.7799	35.7475	35.7647	35.7814	35.8085	35.8093	35.7947	35.794	35.7903	35.8015	35.7794	35.7783	35.7864
35.8819	35.8508	35.8662	35.8835	35.9098	35.9155	35.8918	35.8939	35.8897	35.9033	35.8829	35.884	35.8916
35.9336	35.9043	35.9229	35.9386	35.9678	35.9723	35.9425	35.9437	35.9431	35.9579	35.9372	35.9395	35.947
35.0136	34.9912	34.9952	34.9964	34.9952	35.0164	35.0523	35.0516	35.0485	35.072	35.0521	35.0553	35.0528
35.2992	35.27	35.2773	35.2777	35.2701	35.2892	35.3094	35.3051	35.2987	35.3212	35.301	35.3058	35.3056
35.5623	35.5315	35.5475	35.5606	35.587	35.5882	35.5863	35.5841	35.5766	35.5874	35.5678	35.5654	35.5738
35.7358	35.7096	35.7302	35.7471	35.7586	35.7824	35.7625	35.7653	35.7713	35.7951	35.775	35.7754	35.7844
35.7713	35.7406	35.7579	35.7728	35.8033	35.8071	35.7718	35.7776	35.7783	35.7911	35.7708	35.7714	35.7823
35.7819	35.7525	35.7661	35.7712	35.769	35.7941	35.8184	35.7979	35.7976	35.8182	35.7941	35.7984	35.8017
35.8719	35.8375	35.8563	35.875	35.9019	35.9097	35.8731	35.8791	35.8782	35.8941	35.8774	35.8763	35.884
35.0136	34.9912	34.9952	34.9965	34.9952	35.0165	35.0522	35.0515	35.0484	35.072	35.0521	35.0553	35.0528

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
34.3327	34.3208	34.3176	34.3062	34.2921	34.31998

35.0546	35.0603	35.0544	35.0394	35.0292	35.01781
35.3071	35.3249	35.3195	35.3086	35.3078	35.28577
35.442	35.4539	35.4579	35.4474	35.4456	35.43808
35.6055	35.5996	35.6073	35.5954	35.5918	35.59753
35.7384	35.7226	35.726	35.7213	35.7122	35.71413
35.0095	34.9983	35.0062	34.9976	34.9879	35.00488
35.5961	35.5817	35.5918	35.5863	35.5726	35.58249
35.8032	35.7872	35.7964	35.7924	35.7807	35.78259
35.9068	35.8925	35.9017	35.8992	35.8874	35.8841
35.9621	35.9504	35.9577	35.955	35.9442	35.93678
35.0546	35.0603	35.0544	35.0394	35.0292	35.01781
35.3071	35.3249	35.3195	35.3086	35.3078	35.28577
35.5867	35.5751	35.5815	35.5782	35.5634	35.56871
35.7931	35.7917	35.7873	35.7811	35.7679	35.74923
35.7957	35.7836	35.7873	35.7836	35.7703	35.77194
35.804	35.8233	35.8172	35.8015	35.8043	35.7804
35.9	35.8892	35.8946	35.8945	35.8805	35.87375
35.0546	35.0603	35.0544	35.0395	35.0293	35.01782

F.3 PSNR level 5 pada gerak pertama

GS	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	34.0235	34.2408	34.2162	34.442	34.3692	34.3486	34.2961	34.2758	34.2736	34.2433	34.2535	34.2463
db2	34.6318	34.9463	34.9184	35.0276	35.0076	34.9965	34.9696	34.9625	34.9588	34.9502	34.9655	34.9671
db3	34.8875	35.2257	35.2175	35.2536	35.2573	35.2488	35.248	35.2361	35.2293	35.2344	35.245	35.2446
db4	35.0512	35.4043	35.4082	35.4063	35.4161	35.3991	35.422	35.4023	35.3931	35.3935	35.3989	35.396
db5	35.2093	35.5749	35.5767	35.5566	35.5858	35.5674	35.5926	35.5717	35.5699	35.549	35.5484	35.5433

db6	35.3074	35.6995	35.6834	35.6627	35.7012	35.6839	35.6933	35.6749	35.6791	35.65	35.6569	35.6517
coif1	34.6706	34.9791	34.9706	35.0017	35.0265	35.0028	35.0049	34.9886	34.9846	34.9582	34.9614	34.9538
coif2	35.194	35.5642	35.5496	35.5514	35.5849	35.5626	35.5725	35.5571	35.5526	35.5272	35.5288	35.5215
coif3	35.3706	35.7664	35.7489	35.733	35.7698	35.7504	35.7653	35.7476	35.7448	35.7231	35.7267	35.7199
coif4	35.461	35.8703	35.8527	35.8268	35.8645	35.846	35.8599	35.8443	35.843	35.8206	35.8254	35.82
coif5	35.5072	35.9238	35.9063	35.8713	35.9105	35.8928	35.9097	35.893	35.8925	35.8751	35.8799	35.8749
sym2	34.6318	34.9463	34.9184	35.0276	35.0076	34.9965	34.9696	34.9625	34.9588	34.9502	34.9655	34.9671
sym3	34.8875	35.2257	35.2175	35.2536	35.2573	35.2488	35.248	35.2361	35.2293	35.2344	35.245	35.2446
sym4	35.1755	35.5474	35.5214	35.5393	35.5746	35.5557	35.555	35.5366	35.5363	35.5059	35.5101	35.5049
sym5	35.3056	35.701	35.658	35.7179	35.7336	35.7255	35.7019	35.6862	35.6945	35.6643	35.6781	35.6765
sym6	35.3601	35.7538	35.7314	35.7119	35.7548	35.7423	35.7488	35.7332	35.7358	35.7101	35.7174	35.7109
sym7	35.331	35.7244	35.7122	35.7535	35.756	35.7425	35.7402	35.7206	35.7175	35.7125	35.7277	35.7245
sym8	35.4513	35.8618	35.8367	35.8116	35.8543	35.8385	35.8445	35.8277	35.8316	35.8085	35.8136	35.8096
ajs1	34.6319	34.9463	34.9185	35.0275	35.0075	34.9964	34.9697	34.9626	34.9588	34.9503	34.9656	34.9672

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
34.2435	34.226	34.2282	34.2335	34.2378	34.2438	34.3949	34.344	34.323	34.3188	34.2931	34.2871	34.2873
34.9637	34.9414	34.9453	34.9468	34.9455	34.9663	35.0018	35.001	34.998	35.0214	35.0015	35.0049	35.0026
35.2455	35.2165	35.2236	35.2239	35.2165	35.2353	35.2553	35.2513	35.2448	35.2671	35.2473	35.2517	35.2515
35.3871	35.36	35.3754	35.3748	35.3759	35.3846	35.4079	35.3917	35.3843	35.401	35.3763	35.3777	35.3802
35.5395	35.5079	35.5243	35.5342	35.5497	35.5478	35.5648	35.5499	35.5438	35.5497	35.5293	35.525	35.5365
35.6525	35.6192	35.6367	35.6519	35.6758	35.6749	35.6642	35.6631	35.6612	35.6737	35.6542	35.6539	35.6633
34.9512	34.9238	34.9329	34.9411	34.9578	34.9565	34.9874	34.9735	34.9604	34.9679	34.9459	34.9399	34.948
35.5212	35.4908	35.5033	35.5188	35.5423	35.5416	35.5459	35.5379	35.5295	35.5393	35.5187	35.5164	35.524
35.7189	35.6869	35.7036	35.7201	35.7472	35.7477	35.7334	35.7329	35.729	35.7401	35.7185	35.7172	35.7252
35.8193	35.7883	35.8037	35.8208	35.8465	35.8521	35.8286	35.8309	35.8265	35.8403	35.8201	35.8211	35.8286
35.8717	35.8426	35.8611	35.8765	35.9051	35.9094	35.8801	35.8813	35.8808	35.8956	35.8753	35.8773	35.8848
34.9637	34.9414	34.9453	34.9468	34.9455	34.9663	35.0018	35.001	34.998	35.0214	35.0015	35.0049	35.0026

35.2455	35.2165	35.2236	35.2239	35.2165	35.2353	35.2553	35.2513	35.2448	35.2671	35.2473	35.2517	35.2515
35.5047	35.4742	35.4903	35.5031	35.5292	35.5303	35.5282	35.5263	35.5187	35.5297	35.5103	35.5077	35.5161
35.676	35.6502	35.6704	35.6869	35.6983	35.7219	35.7024	35.7051	35.7113	35.7346	35.7148	35.7152	35.7239
35.7105	35.6803	35.6976	35.7119	35.742	35.7457	35.7111	35.717	35.7175	35.7304	35.7102	35.7106	35.7214
35.7203	35.6913	35.7047	35.7097	35.7078	35.7325	35.7563	35.736	35.7357	35.7559	35.7322	35.7363	35.7396
35.8097	35.776	35.7947	35.8128	35.8392	35.8469	35.8109	35.8166	35.8159	35.8317	35.815	35.8139	35.8216
34.9637	34.9414	34.9454	34.9468	34.9455	34.9664	35.0017	35.001	34.998	35.0214	35.0015	35.0049	35.0026

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
34.2868	34.2752	34.2721	34.2607	34.2469	34.27439
35.0044	35.0097	35.0041	34.9892	34.9791	34.96762
35.2529	35.2707	35.2652	35.2543	35.2538	35.23183
35.3849	35.3967	35.4006	35.3902	35.3884	35.38096
35.5463	35.5406	35.5481	35.5364	35.533	35.53841
35.6776	35.6619	35.6652	35.6605	35.6516	35.65351
34.9594	34.9486	34.9561	34.9476	34.938	34.95463
35.538	35.524	35.5341	35.5284	35.5149	35.52452
35.7418	35.726	35.7352	35.7313	35.7198	35.72138
35.8438	35.8296	35.8388	35.8361	35.8246	35.82114
35.8997	35.8882	35.8955	35.8925	35.8819	35.87455
35.0044	35.0097	35.0041	34.9892	34.9791	34.96762
35.2529	35.2707	35.2652	35.2543	35.2538	35.23183
35.5287	35.5174	35.5239	35.5203	35.5058	35.51092
35.7325	35.7312	35.7269	35.7205	35.7078	35.6891
35.7347	35.723	35.7266	35.7228	35.7095	35.71111
35.7421	35.7612	35.7552	35.7396	35.7423	35.71871
35.8375	35.8269	35.8321	35.832	35.8184	35.81138
35.0044	35.0097	35.0041	34.9892	34.9792	34.96764

Lampiran G. Tabel Pengujian Pengaruh level Dekomposisi terhadap Gelombang Singkat dengan Rasio Kompresi sebagai Tolok Ukur

G.1 Rasio level 3 pada gerak pertama

GS	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	97.1965	97.2303	97.2368	97.2558	97.2503	97.2479	97.2423	97.2365	97.2336	97.2335	97.2376	97.2374
db2	96.854	96.8809	96.8838	96.9245	96.9108	96.9026	96.8935	96.888	96.8885	96.8825	96.8824	96.8838
db3	96.8055	96.8495	96.845	96.8989	96.885	96.8736	96.8654	96.8622	96.8607	96.8542	96.8558	96.8565
db4	96.785	96.8097	96.8056	96.8684	96.8515	96.8426	96.8277	96.8216	96.8241	96.8164	96.8192	96.8181
db5	96.8245	96.8562	96.8543	96.911	96.8977	96.8883	96.8776	96.8738	96.8704	96.8673	96.8715	96.8738
db6	96.8548	96.8826	96.8785	96.9335	96.9194	96.9147	96.8998	96.8931	96.8902	96.8888	96.8913	96.8941
coif1	96.8201	96.8503	96.8497	96.9036	96.8878	96.8809	96.8695	96.8652	96.8609	96.8584	96.8672	96.8656
coif2	96.8613	96.8857	96.8867	96.9376	96.9241	96.9166	96.9053	96.8988	96.8978	96.8963	96.901	96.8999
coif3	96.8548	96.8834	96.8812	96.934	96.9235	96.9129	96.9023	96.8975	96.8943	96.8934	96.8971	96.8989
coif4	96.8514	96.8768	96.8754	96.9303	96.9167	96.9086	96.8973	96.891	96.8895	96.887	96.8928	96.8906
coif5	96.851	96.8798	96.876	96.931	96.9183	96.9083	96.898	96.8928	96.8908	96.8875	96.893	96.892
sym2	96.854	96.8809	96.8838	96.9245	96.9108	96.9026	96.8935	96.888	96.8885	96.8825	96.8824	96.8838
sym3	96.8055	96.8495	96.845	96.8989	96.885	96.8736	96.8654	96.8622	96.8607	96.8542	96.8558	96.8565
sym4	96.866	96.9011	96.8988	96.9507	96.9345	96.9268	96.9178	96.9111	96.9073	96.9089	96.913	96.9159
sym5	96.9368	96.9641	96.9621	97.0032	96.9909	96.9804	96.972	96.97	96.9648	96.9624	96.9685	96.9727
sym6	96.8786	96.9086	96.9078	96.9596	96.948	96.9374	96.9309	96.9248	96.9188	96.917	96.921	96.9236
sym7	96.8261	96.8537	96.848	96.9022	96.8879	96.8798	96.8694	96.8642	96.8623	96.8572	96.8591	96.8577
sym8	96.8659	96.8907	96.8906	96.9406	96.9273	96.9198	96.9087	96.9053	96.9021	96.9009	96.9059	96.9054
ajs1	96.854	96.8809	96.8833	96.9242	96.9113	96.9027	96.8934	96.8885	96.8886	96.8825	96.8828	96.8831

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
97.2378	97.2233	97.2229	97.2226	97.2225	97.2269	97.2414	97.2408	97.2336	97.2385	97.2362	97.2343	97.2364
96.8815	96.8701	96.8707	96.87	96.8706	96.8718	96.9048	96.8999	96.8913	96.8908	96.8846	96.8869	96.8843
96.8565	96.8467	96.8417	96.8369	96.8432	96.8467	96.8803	96.8757	96.8656	96.8649	96.8588	96.8573	96.858

96.8174	96.8076	96.8046	96.8027	96.806	96.811	96.8428	96.8411	96.8318	96.8333	96.8292	96.8286	96.8288
96.8705	96.862	96.8584	96.8544	96.8534	96.8618	96.8935	96.8907	96.8847	96.8831	96.88	96.8797	96.8809
96.8928	96.883	96.8787	96.8736	96.8739	96.8825	96.9138	96.9096	96.9004	96.9025	96.8976	96.8966	96.8959
96.8681	96.8549	96.8516	96.8471	96.8492	96.854	96.8845	96.8791	96.873	96.8747	96.8718	96.8705	96.8725
96.9038	96.8907	96.8861	96.879	96.8807	96.8875	96.9194	96.9149	96.9075	96.9089	96.9041	96.9045	96.9055
96.8978	96.8873	96.8832	96.8757	96.8751	96.8851	96.919	96.9132	96.9044	96.9075	96.9043	96.9008	96.9015
96.8917	96.8814	96.8773	96.8717	96.8718	96.878	96.9122	96.9063	96.898	96.901	96.8965	96.8955	96.8937
96.8912	96.8835	96.8791	96.8729	96.8708	96.8797	96.9132	96.9078	96.9013	96.9021	96.8984	96.8977	96.8965
96.8815	96.8701	96.8707	96.87	96.8706	96.8718	96.9048	96.8999	96.8913	96.8908	96.8846	96.8869	96.8843
96.8565	96.8467	96.8417	96.8369	96.8432	96.8467	96.8803	96.8757	96.8656	96.8649	96.8588	96.8573	96.858
96.9186	96.9068	96.903	96.895	96.8927	96.9021	96.9323	96.9282	96.9191	96.9218	96.918	96.9198	96.9178
96.9679	96.9577	96.9542	96.95	96.9514	96.9582	96.9894	96.9829	96.9773	96.9769	96.9732	96.9728	96.9703
96.9205	96.9127	96.9099	96.9034	96.9036	96.9113	96.9435	96.9363	96.9294	96.9338	96.9299	96.9279	96.9282
96.8585	96.8487	96.846	96.8428	96.844	96.8472	96.8818	96.8775	96.8682	96.8684	96.8628	96.8634	96.8623
96.9075	96.8957	96.8894	96.8851	96.8858	96.8927	96.9242	96.9185	96.9094	96.9142	96.9093	96.9077	96.9093
96.8813	96.8697	96.8707	96.8698	96.8704	96.8713	96.9046	96.899	96.892	96.8913	96.8841	96.8862	96.8847

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
97.239	97.2448	97.245	97.2375	97.2337	97.23519
96.8868	96.8856	96.8915	96.8862	96.8788	96.88605
96.8617	96.8575	96.858	96.851	96.8456	96.85728
96.829	96.8291	96.8288	96.8218	96.8144	96.82326
96.8803	96.8801	96.8812	96.8727	96.8656	96.87331
96.8961	96.8971	96.8998	96.8906	96.8848	96.89367
96.869	96.8709	96.87	96.8645	96.8576	96.86541
96.9033	96.9046	96.9057	96.8995	96.8925	96.90031
96.9007	96.8997	96.9013	96.8974	96.8887	96.8972
96.8918	96.8949	96.8963	96.8889	96.884	96.89128

96.8945	96.8951	96.8987	96.8914	96.8843	96.89256
96.8868	96.8856	96.8915	96.8862	96.8788	96.88605
96.8617	96.8575	96.858	96.851	96.8456	96.85728
96.9171	96.9169	96.9165	96.9087	96.9059	96.91307
96.9697	96.9721	96.972	96.9671	96.9606	96.96905
96.929	96.9268	96.9281	96.9201	96.9168	96.92291
96.864	96.861	96.8652	96.8589	96.8504	96.86129
96.9064	96.9057	96.9085	96.9023	96.8959	96.90436
96.8862	96.886	96.8914	96.8853	96.8784	96.88592

G.2 Rasio level 4 pada gerak pertama

GS	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	97.2128	97.2406	97.2462	97.2647	97.2604	97.2556	97.253	97.2456	97.2439	97.2432	97.2498	97.248
db2	96.8939	96.913	96.9146	96.9557	96.9447	96.9365	96.9273	96.9235	96.9208	96.915	96.9167	96.9161
db3	96.8483	96.8731	96.8699	96.9232	96.9092	96.8987	96.8893	96.8851	96.8847	96.8795	96.8795	96.8779
db4	96.8187	96.8363	96.8338	96.8978	96.8794	96.8729	96.8565	96.8511	96.8523	96.8455	96.8484	96.8477
db5	96.8586	96.877	96.8763	96.9339	96.9208	96.9116	96.8991	96.8952	96.8909	96.8881	96.8948	96.8948
db6	96.8871	96.9083	96.906	96.959	96.9456	96.9411	96.928	96.9194	96.9171	96.9159	96.918	96.92
coif1	96.8629	96.8819	96.8845	96.9342	96.9203	96.9123	96.9015	96.8951	96.8932	96.8899	96.8992	96.8984
coif2	96.8924	96.9116	96.911	96.9637	96.9506	96.9427	96.9304	96.9247	96.9221	96.9208	96.9264	96.9259
coif3	96.8897	96.9103	96.9071	96.9605	96.9479	96.9397	96.9281	96.9224	96.9226	96.9178	96.9227	96.9245
coif4	96.8833	96.9034	96.9019	96.9544	96.9402	96.9343	96.9237	96.9172	96.9138	96.9126	96.9187	96.9156
coif5	96.8842	96.9056	96.9006	96.9556	96.9416	96.934	96.9259	96.9186	96.9173	96.9123	96.919	96.9177
sym2	96.8939	96.913	96.9146	96.9557	96.9447	96.9365	96.9273	96.9235	96.9208	96.915	96.9167	96.9161
sym3	96.8483	96.8731	96.8699	96.9232	96.9092	96.8987	96.8893	96.8851	96.8847	96.8795	96.8795	96.8779
sym4	96.9043	96.9261	96.926	96.9751	96.9594	96.9545	96.9432	96.9376	96.9329	96.9344	96.9396	96.9414
sym5	96.9718	96.9915	96.9898	97.0301	97.0182	97.0081	96.9999	96.9966	96.9924	96.9918	96.9968	96.9984

sym6	96.9132	96.9337	96.9313	96.9837	96.9707	96.9623	96.9538	96.9472	96.942	96.9413	96.9476	96.9465
sym7	96.8563	96.8812	96.8767	96.9291	96.9144	96.9063	96.8962	96.893	96.8895	96.8844	96.8858	96.8844
sym8	96.8968	96.9156	96.9146	96.9672	96.9525	96.9468	96.9337	96.9296	96.9268	96.9259	96.9302	96.9305
ajs1	96.8932	96.9128	96.915	96.9553	96.9443	96.936	96.9271	96.9225	96.9197	96.9154	96.916	96.9156

gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
97.2466	97.2346	97.2323	97.2322	97.2316	97.2346	97.2514	97.251	97.2431	97.2486	97.2443	97.2435	97.2471
96.9145	96.9035	96.9034	96.9025	96.904	96.904	96.9388	96.9322	96.922	96.9268	96.919	96.92	96.9193
96.8778	96.8699	96.8646	96.8608	96.8659	96.8707	96.9045	96.8989	96.8893	96.8882	96.8826	96.8808	96.8821
96.8466	96.8369	96.8337	96.8309	96.8326	96.8391	96.8749	96.8709	96.8624	96.8639	96.8585	96.8575	96.8587
96.8923	96.8813	96.8792	96.8758	96.8749	96.8827	96.9155	96.9109	96.9036	96.9052	96.9013	96.9012	96.9038
96.9193	96.9096	96.9046	96.9004	96.8995	96.9082	96.9412	96.9353	96.9267	96.9306	96.9248	96.9238	96.9227
96.9001	96.8871	96.8844	96.8773	96.8789	96.8853	96.9145	96.9107	96.9061	96.9083	96.9043	96.9034	96.9052
96.929	96.9146	96.9114	96.9039	96.9037	96.9134	96.9457	96.9424	96.9336	96.9361	96.9302	96.9319	96.9321
96.9243	96.9138	96.9103	96.9017	96.9039	96.9105	96.9447	96.9379	96.9299	96.9356	96.9299	96.9299	96.9286
96.9167	96.9066	96.9028	96.8961	96.896	96.9052	96.9376	96.9317	96.9253	96.9267	96.9222	96.9219	96.9227
96.9166	96.907	96.903	96.898	96.8979	96.9059	96.9398	96.9327	96.9247	96.9287	96.9236	96.9232	96.9229
96.9145	96.9035	96.9034	96.9025	96.904	96.904	96.9388	96.9322	96.922	96.9268	96.919	96.92	96.9193
96.8778	96.8699	96.8646	96.8608	96.8659	96.8707	96.9045	96.8989	96.8893	96.8882	96.8826	96.8808	96.8821
96.941	96.9299	96.9282	96.9191	96.9191	96.9271	96.9576	96.9538	96.9454	96.9479	96.9435	96.9454	96.9449
96.9985	96.9855	96.9819	96.9774	96.9785	96.9847	97.0187	97.0112	97.0053	97.0051	97.0011	97.0014	96.9997
96.9456	96.9368	96.9341	96.9272	96.9271	96.935	96.9661	96.9612	96.9542	96.9583	96.9555	96.9534	96.9531
96.8874	96.8766	96.8737	96.8701	96.8713	96.8751	96.9096	96.9036	96.8969	96.8958	96.8901	96.889	96.8893
96.9319	96.9197	96.9151	96.9109	96.9102	96.9169	96.9504	96.9449	96.9357	96.9434	96.9352	96.9333	96.9349
96.914	96.9034	96.9041	96.9027	96.9029	96.9043	96.9386	96.9315	96.9224	96.9273	96.9189	96.9197	96.9188

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
97.2489	97.2536	97.256	97.2463	97.2437	97.24511

96.9225	96.9204	96.9251	96.9176	96.9123	96.91952
96.8866	96.8828	96.8809	96.8754	96.8699	96.88167
96.8577	96.8578	96.8582	96.8514	96.8441	96.85254
96.9017	96.9024	96.903	96.8945	96.8877	96.89527
96.924	96.9246	96.9258	96.917	96.9119	96.92052
96.9026	96.9029	96.9025	96.8965	96.8896	96.89777
96.929	96.9317	96.9298	96.9249	96.9169	96.92609
96.9284	96.9278	96.9295	96.9222	96.9165	96.92396
96.9183	96.9208	96.9228	96.915	96.9099	96.91725
96.9213	96.9206	96.9225	96.9176	96.9105	96.9183
96.9225	96.9204	96.9251	96.9176	96.9123	96.91952
96.8866	96.8828	96.8809	96.8754	96.8699	96.88167
96.943	96.9415	96.9425	96.9361	96.9308	96.93904
96.9977	96.9995	97	96.996	96.9888	96.99721
96.9519	96.9499	96.9523	96.9438	96.9405	96.94731
96.8918	96.8874	96.8929	96.886	96.877	96.8887
96.9318	96.9327	96.935	96.9285	96.9221	96.93009
96.9213	96.9205	96.9248	96.9178	96.9119	96.91926

G.3 Rasio level 5 pada gerak pertama

GS	gerak01	gerak02	gerak03	gerak04	gerak05	gerak06	gerak07	gerak08	gerak09	gerak10	gerak11	gerak12
haar	97.2133	97.2422	97.247	97.2678	97.2617	97.2589	97.2543	97.2463	97.2439	97.2449	97.2504	97.2488
db2	96.9008	96.9193	96.9198	96.9616	96.9514	96.9413	96.9338	96.9284	96.9283	96.9218	96.9229	96.9244
db3	96.8548	96.8765	96.8746	96.9272	96.9122	96.9033	96.8933	96.8897	96.8881	96.8835	96.883	96.8831
db4	96.8238	96.8432	96.8377	96.9006	96.8845	96.8774	96.8612	96.8564	96.8559	96.8501	96.853	96.8532
db5	96.8653	96.8834	96.8808	96.9389	96.9244	96.9172	96.9037	96.9016	96.8976	96.895	96.8995	96.8999
db6	96.8935	96.9121	96.9116	96.9636	96.9507	96.9454	96.932	96.9242	96.921	96.9197	96.9219	96.9243

coif1	96.8698	96.8895	96.8891	96.9407	96.9258	96.92	96.9066	96.9024	96.8978	96.8956	96.9052	96.9044
coif2	96.8993	96.9177	96.9173	96.9695	96.9558	96.9468	96.935	96.9295	96.927	96.9262	96.9318	96.9321
coif3	96.8949	96.9139	96.9125	96.9666	96.9535	96.9448	96.9341	96.9276	96.9261	96.923	96.9288	96.9291
coif4	96.8895	96.907	96.9063	96.9595	96.9458	96.9394	96.9291	96.9211	96.919	96.918	96.9229	96.9211
coif5	96.8886	96.9091	96.9052	96.9602	96.9463	96.9382	96.9299	96.9241	96.9214	96.9151	96.9234	96.9232
sym2	96.9008	96.9193	96.9198	96.9616	96.9514	96.9413	96.9338	96.9284	96.9283	96.9218	96.9229	96.9244
sym3	96.8548	96.8765	96.8746	96.9272	96.9122	96.9033	96.8933	96.8897	96.8881	96.8835	96.883	96.8831
sym4	96.911	96.9293	96.9287	96.979	96.9645	96.9576	96.9465	96.9419	96.9379	96.9387	96.943	96.9439
sym5	96.9768	96.9958	96.996	97.0352	97.0234	97.0134	97.0051	97.002	96.9985	96.996	97.0025	97.0048
sym6	96.9204	96.9373	96.9371	96.9881	96.9759	96.9658	96.9584	96.9534	96.9468	96.9457	96.9495	96.9522
sym7	96.8631	96.8842	96.8801	96.9333	96.9188	96.9135	96.9001	96.8975	96.8939	96.8896	96.8905	96.8894
sym8	96.9056	96.9212	96.9214	96.9709	96.9578	96.9506	96.9392	96.9345	96.9322	96.931	96.9363	96.9363
ajs1	96.9	96.9197	96.9203	96.9613	96.9517	96.9417	96.9333	96.9282	96.9284	96.9213	96.9234	96.9236
gerak13	gerak14	gerak15	gerak16	gerak17	gerak18	gerak19	gerak20	gerak21	gerak22	gerak23	gerak24	gerak25
97.2493	97.2371	97.2339	97.2324	97.2333	97.2368	97.2529	97.2518	97.245	97.2494	97.2477	97.2457	97.2494
96.9212	96.9106	96.9101	96.9086	96.9104	96.9123	96.9456	96.9373	96.9283	96.9335	96.9252	96.9262	96.9255
96.8821	96.8728	96.8701	96.8636	96.8713	96.8745	96.9087	96.9026	96.8946	96.8911	96.886	96.8845	96.8872
96.8518	96.8407	96.8381	96.8367	96.8379	96.8454	96.8789	96.876	96.8674	96.8685	96.8646	96.8621	96.8644
96.8979	96.8877	96.8836	96.8807	96.8807	96.888	96.9206	96.9178	96.909	96.9111	96.9069	96.9068	96.9079
96.9257	96.9161	96.9109	96.9044	96.9052	96.915	96.9459	96.9399	96.9324	96.9341	96.9299	96.9299	96.9259
96.9052	96.8914	96.8898	96.8839	96.8866	96.8905	96.9216	96.9174	96.9119	96.9136	96.91	96.9093	96.9103
96.9342	96.9191	96.9157	96.9103	96.9109	96.9174	96.9518	96.9469	96.9397	96.9412	96.9356	96.9372	96.9356
96.929	96.9179	96.9138	96.9062	96.9088	96.9167	96.95	96.9434	96.9342	96.9403	96.9356	96.9345	96.9337
96.9215	96.9126	96.907	96.9018	96.9021	96.91	96.9438	96.9368	96.9295	96.9324	96.9276	96.9266	96.9267
96.9213	96.9125	96.9081	96.9035	96.9009	96.9101	96.9439	96.9383	96.9289	96.9326	96.9274	96.9282	96.9265
96.9212	96.9106	96.9101	96.9086	96.9104	96.9123	96.9456	96.9373	96.9283	96.9335	96.9252	96.9262	96.9255
96.8821	96.8728	96.8701	96.8636	96.8713	96.8745	96.9087	96.9026	96.8946	96.8911	96.886	96.8845	96.8872
96.9464	96.935	96.9337	96.9226	96.9242	96.9318	96.9608	96.9579	96.9485	96.951	96.9485	96.9495	96.9491
97.003	96.9908	96.9867	96.9828	96.9832	96.9889	97.0224	97.0169	97.0097	97.0097	97.0048	97.0057	97.0031

96.9519	96.9428	96.9392	96.9325	96.9319	96.9403	96.9718	96.9673	96.9583	96.9614	96.9588	96.9571	96.9581
96.8925	96.8799	96.8776	96.8756	96.876	96.8809	96.9144	96.9089	96.8997	96.9019	96.8948	96.8942	96.8956
96.9373	96.9247	96.9204	96.9162	96.9146	96.9228	96.9553	96.9488	96.9409	96.9468	96.94	96.9383	96.9399
96.9207	96.9104	96.9091	96.9084	96.9107	96.912	96.9455	96.9376	96.9282	96.9328	96.9245	96.9256	96.925

gerak26	gerak27	gerak28	gerak29	gerak30	rata-rata
97.2505	97.2568	97.2555	97.2481	97.245	97.24667
96.9273	96.9277	96.93	96.9255	96.9204	96.92598
96.8901	96.885	96.8856	96.8787	96.8727	96.88568
96.8636	96.8653	96.8625	96.8565	96.8485	96.85753
96.9076	96.9077	96.9081	96.8994	96.8923	96.9007
96.9282	96.9289	96.93	96.9226	96.9169	96.9254
96.9081	96.9092	96.9083	96.9023	96.894	96.90368
96.9346	96.9368	96.9362	96.9293	96.9209	96.93138
96.9323	96.9323	96.9343	96.9277	96.9216	96.92891
96.9243	96.925	96.9273	96.9208	96.9147	96.92231
96.9241	96.9257	96.9269	96.9226	96.9146	96.92269
96.9273	96.9277	96.93	96.9255	96.9204	96.92598
96.8901	96.885	96.8856	96.8787	96.8727	96.88568
96.9486	96.9461	96.9477	96.9401	96.9364	96.94333
97.0029	97.0046	97.0054	96.9997	96.9944	97.00214
96.9561	96.9569	96.9588	96.9488	96.9437	96.95221
96.8958	96.8922	96.8977	96.8913	96.8813	96.89348
96.9374	96.9372	96.9401	96.9329	96.9269	96.93525
96.9273	96.9277	96.9301	96.9244	96.9203	96.92577

Lampiran H Tabel Pengujian Pemampatan Interframe Gelombang Singkat terhadap PSNR dalam (dB)

H.1 Pengujian Gelombang Singkat terhadap PSNR pada pemampatan Interframe gerak pertama

sel29	sel28	sel27	sel26	sel25	sel24	sel23	sel22	sel21	sel20	sel19	sel18
41.6603	41.915	40.9975	41.0412	42.1254	42.0507	41.4546	41.9827	41.7899	41.9491	41.2673	40.0559
41.6295	41.8776	40.9628	40.9999	42.0774	41.9902	41.4085	41.928	41.7595	41.9276	41.2253	40.0888
41.6197	41.8949	40.9574	40.9812	42.0623	41.9859	41.4096	41.919	41.7581	41.9329	41.2145	40.1186
41.5977	41.8689	40.9425	40.9517	42.0338	41.9622	41.3921	41.8892	41.7449	41.915	41.1919	40.1043
41.584	41.8635	40.9429	40.9494	42.0277	41.9571	41.3734	41.8894	41.7355	41.9077	41.1942	40.0903
41.5748	41.8615	40.9265	40.9485	42.0231	41.9465	41.3586	41.8774	41.732	41.8927	41.1874	40.0943
41.6335	41.8975	40.9738	41.0226	42.0838	42.013	41.4163	41.9383	41.7885	41.9444	41.2532	40.1021
41.732	42.0122	41.0833	41.0904	42.1751	42.0989	41.5133	42.038	41.8733	42.0526	41.3678	40.1914
41.7352	42.0181	41.0871	41.1005	42.1809	42.1035	41.5182	42.0405	41.8783	42.0533	41.3759	40.1922
41.7229	42.0075	41.0782	41.0831	42.164	42.0822	41.5084	42.027	41.864	42.0439	41.3604	40.1903
41.7156	41.9964	41.0685	41.0778	42.1531	42.076	41.4981	42.0152	41.855	42.0314	41.3523	40.182
41.6295	41.8776	40.9628	40.9999	42.0774	41.9902	41.4085	41.928	41.7595	41.9276	41.2253	40.0888
41.6197	41.8949	40.9574	40.9812	42.0623	41.9859	41.4096	41.919	41.7581	41.9329	41.2145	40.1186
41.7321	42.0189	41.0835	41.1069	42.1867	42.1088	41.5207	42.0422	41.8869	42.0555	41.3768	40.1884
41.7505	42.0171	41.0934	41.1183	42.1924	42.1206	41.5368	42.0491	41.8831	42.0652	41.3882	40.1673
41.7241	42.0056	41.076	41.0846	42.1754	42.097	41.5069	42.0295	41.8756	42.05	41.3604	40.192
41.6742	41.9462	41.0237	41.0417	42.1245	42.0405	41.4661	41.9771	41.8112	41.9996	41.2954	40.1684
41.725	42.0105	41.0804	41.089	42.1637	42.0929	41.511	42.0324	41.8694	42.0507	41.3683	40.1864
41.6294	41.8776	40.9628	40.9998	42.0774	41.9902	41.4085	41.928	41.7595	41.9275	41.2253	40.0888

sel17	sel16	sel15	sel14	sel13	sel12	sel11	sel10	sel9	sel8	sel7	sel6
40.9365	41.3211	41.2032	41.1176	41.4195	41.6353	40.872	41.2926	40.1196	41.6539	41.6083	40.7815
40.8987	41.2851	41.1745	41.0604	41.3658	41.6038	40.8495	41.2638	40.1078	41.608	41.5729	40.7672
40.9022	41.2892	41.1564	41.056	41.3692	41.6348	40.8617	41.276	40.0987	41.6173	41.5758	40.7309

40.8885	41.2773	41.1346	41.0464	41.346	41.6107	40.8408	41.2596	40.0846	41.5896	41.5462	40.7248
40.894	41.2704	41.1181	41.0285	41.3512	41.6002	40.8489	41.2576	40.0874	41.5819	41.5371	40.7159
40.8939	41.2641	41.1072	41.0179	41.3351	41.5957	40.8437	41.2545	40.0904	41.5579	41.5151	40.713
40.9338	41.3124	41.179	41.0831	41.3936	41.6232	40.867	41.2867	40.1201	41.6166	41.5891	40.7811
41.0471	41.4196	41.2633	41.1749	41.496	41.7543	40.9921	41.4053	40.2371	41.7208	41.673	40.8641
41.0526	41.4295	41.2635	41.1772	41.4979	41.7643	41.0009	41.403	40.2484	41.7193	41.6722	40.8699
41.0411	41.416	41.2489	41.1698	41.479	41.7466	40.9929	41.3933	40.237	41.7074	41.6525	40.8586
41.0359	41.4105	41.2387	41.1556	41.47	41.7376	40.984	41.3808	40.2278	41.6934	41.6435	40.848
40.8987	41.2851	41.1745	41.0604	41.3658	41.6038	40.8495	41.2638	40.1078	41.608	41.5729	40.7672
40.9022	41.2892	41.1564	41.056	41.3692	41.6348	40.8617	41.276	40.0987	41.6173	41.5758	40.7309
41.0515	41.4242	41.2713	41.1701	41.505	41.7582	40.9983	41.4053	40.2428	41.7216	41.6784	40.8677
41.0586	41.4286	41.2806	41.1957	41.4946	41.7668	41.0066	41.4055	40.2563	41.7258	41.6701	40.88
41.0349	41.4185	41.2485	41.1578	41.4858	41.7493	40.9861	41.4008	40.2346	41.7184	41.6668	40.8527
40.9672	41.3522	41.2052	41.1092	41.4237	41.696	40.9242	41.3422	40.1739	41.6568	41.6155	40.7953
41.0446	41.4173	41.2511	41.1635	41.4823	41.7469	40.9991	41.3977	40.2398	41.7107	41.6515	40.8608
40.8986	41.2851	41.1745	41.0604	41.3658	41.6038	40.8495	41.2638	40.1078	41.608	41.5729	40.7671

sel5	sel4	sel3	sel2	sel1
42.1898	41.0179	39.4469	39.7813	41.1811
42.1368	40.9946	39.5018	39.8037	41.1553
42.1148	40.9739	39.498	39.7775	41.1484
42.082	40.9527	39.4935	39.7648	41.1199
42.0566	40.9482	39.4763	39.746	41.1206
42.0499	40.9389	39.4638	39.7445	41.1084
42.148	41.0019	39.5128	39.7922	41.17
42.227	41.0946	39.5696	39.8837	41.2331
42.2158	41.0963	39.5669	39.8941	41.233
42.1974	41.0816	39.5617	39.892	41.2199

42.1816	41.0725	39.5515	39.8859	41.2154
42.1368	40.9946	39.5018	39.8037	41.1553
42.1148	40.9739	39.498	39.7775	41.1484
42.2271	41.0999	39.5649	39.8881	41.2419
42.2327	41.1035	39.5508	39.9188	41.2422
42.2039	41.0885	39.5599	39.8914	41.2369
42.1561	41.0329	39.5455	39.853	41.1802
42.2038	41.0851	39.5567	39.8948	41.2209
42.1368	40.9946	39.5018	39.8036	41.1553

Lampiran I Tabel Pengujian Pemampatan Interframe Gelombang Singkat terhadap Rasio Kompresi dalam (%)

I.1 Pengujian Gelombang Singkat terhadap Rasio Kompresi pada pemampatan Interframe gerak pertama

sel29	sel28	sel27	sel26	sel25	sel24	sel23	sel22	sel21	sel20	sel19	sel18
97.9525	97.9513	97.8559	97.9789	98.0826	98.0554	97.928	97.9855	98.0876	97.9842	97.7928	97.8718
97.8119	97.8217	97.6856	97.8052	97.9381	97.9324	97.7873	97.848	97.9449	97.8373	97.6264	97.707
97.8044	97.8174	97.6861	97.8063	97.9502	97.9202	97.7852	97.8425	97.9345	97.8309	97.6292	97.69
97.7917	97.803	97.6716	97.7972	97.9346	97.9164	97.7791	97.8328	97.9284	97.8224	97.6076	97.6831
97.8141	97.8236	97.6931	97.806	97.9541	97.9336	97.7982	97.8499	97.9485	97.8365	97.6207	97.7042
97.7852	97.7969	97.6642	97.7603	97.9272	97.9057	97.7657	97.822	97.9079	97.8065	97.5926	97.6816
97.8376	97.8498	97.7242	97.8466	97.9812	97.9556	97.8202	97.8729	97.9685	97.8682	97.6529	97.7365
97.8091	97.8241	97.6889	97.8068	97.9516	97.9307	97.795	97.8499	97.9378	97.8367	97.6182	97.712
97.8065	97.8163	97.6863	97.7999	97.9429	97.9328	97.7885	97.8485	97.9376	97.8369	97.6191	97.7111
97.8015	97.8154	97.6739	97.7885	97.937	97.9244	97.78	97.8428	97.9297	97.8266	97.603	97.7037
97.7992	97.8124	97.6806	97.7877	97.9392	97.9183	97.7795	97.836	97.929	97.8232	97.6002	97.6976
97.8119	97.8217	97.6856	97.8052	97.9381	97.9324	97.7873	97.848	97.9449	97.8373	97.6264	97.707
97.8044	97.8174	97.6861	97.8063	97.9502	97.9202	97.7852	97.8425	97.9345	97.8309	97.6292	97.69
97.8146	97.8296	97.6956	97.8087	97.9561	97.9322	97.7915	97.8535	97.9429	97.8444	97.6259	97.7146

97.8185	97.8315	97.6862	97.7954	97.9413	97.9309	97.7925	97.856	97.9445	97.8397	97.6171	97.7308
97.8057	97.8219	97.6879	97.7893	97.9422	97.9274	97.7851	97.8461	97.9306	97.8359	97.6161	97.7124
97.7835	97.7969	97.6583	97.7647	97.918	97.9059	97.7636	97.8227	97.9108	97.8037	97.5915	97.6738
97.7972	97.8187	97.6762	97.75243	97.9418	97.9221	97.7842	97.8411	97.9283	97.8263	97.6014	97.7029
97.8116	97.8218	97.6854	97.73708	97.9382	97.9329	97.7874	97.8477	97.9452	97.8373	97.6266	97.7072

sel17	sel16	sel15	sel14	sel13	sel12	sel11	sel10	sel9	sel8	sel7	sel6
97.7661	97.8334	97.9167	97.9185	97.8405	97.8323	97.7148	97.8014	97.5369	97.8988	97.9789	97.9608
97.6091	97.6809	97.7577	97.755	97.6793	97.6842	97.5501	97.6499	97.3151	97.7503	97.8297	97.7582
97.6018	97.6735	97.7599	97.7455	97.6818	97.6808	97.5504	97.6482	97.3081	97.7437	97.8188	97.7506
97.5895	97.6609	97.737	97.7262	97.6636	97.6614	97.5261	97.6272	97.2946	97.7222	97.8037	97.7505
97.6076	97.6767	97.7595	97.7439	97.6702	97.6848	97.5511	97.6466	97.3085	97.7441	97.8249	97.7628
97.5754	97.6486	97.7265	97.7007	97.6435	97.6566	97.514	97.6177	97.26	97.7173	97.7937	97.7009
97.6364	97.7182	97.7926	97.7962	97.7153	97.7164	97.5839	97.678	97.3637	97.7796	97.8565	97.8207
97.5983	97.6861	97.7562	97.7494	97.6826	97.6883	97.5441	97.6509	97.3157	97.7495	97.8242	97.7602
97.597	97.6773	97.7544	97.7443	97.6764	97.6853	97.5389	97.6428	97.3099	97.743	97.8191	97.7572
97.5868	97.6716	97.7447	97.7299	97.662	97.6817	97.5334	97.6394	97.2898	97.7374	97.8142	97.7332
97.586	97.6689	97.7434	97.7286	97.6648	97.6738	97.5299	97.6342	97.2911	97.7325	97.8078	97.7431
97.6091	97.6809	97.7577	97.755	97.6793	97.6842	97.5501	97.6499	97.3151	97.7503	97.8297	97.7582
97.6018	97.6735	97.7599	97.7455	97.6818	97.6808	97.5504	97.6482	97.3081	97.7437	97.8188	97.7506
97.6109	97.6909	97.7673	97.7574	97.6858	97.6953	97.5532	97.6561	97.3192	97.7562	97.8328	97.7677
97.6046	97.6857	97.7553	97.7459	97.6831	97.705	97.5477	97.6598	97.3165	97.7583	97.832	97.7508
97.6001	97.673	97.7502	97.7376	97.667	97.6825	97.5412	97.6484	97.2958	97.7431	97.822	97.7386
97.5725	97.6465	97.7266	97.7036	97.6465	97.6573	97.5107	97.618	97.2557	97.7161	97.7919	97.706
97.5866	97.6693	97.7411	97.728	97.6691	97.6798	97.5271	97.64	97.2847	97.7358	97.8132	97.7293
97.6095	97.6807	97.7576	97.7551	97.6791	97.6847	97.5496	97.6498	97.3147	97.7498	97.8298	97.7579

sel5	sel4	sel3	sel2	sel1
98.1249	97.885	97.8599	97.7191	98.0903
97.9695	97.7137	97.6424	97.4649	97.9126
97.9649	97.7045	97.6314	97.4335	97.9227
97.9499	97.6968	97.6123	97.4448	97.8938
97.9736	97.7091	97.6347	97.4582	97.922
97.9357	97.6725	97.6045	97.3872	97.8856
98.0043	97.7491	97.688	97.5317	97.9594
97.9712	97.713	97.6454	97.4631	97.9158
97.9658	97.7065	97.6325	97.4511	97.9175
97.9579	97.6937	97.6211	97.4245	97.9082
97.9553	97.6945	97.6182	97.426	97.9007
97.9695	97.7137	97.6424	97.4649	97.9126
97.9649	97.7045	97.6314	97.4335	97.9227
97.9738	97.714	97.6515	97.4681	97.9237
97.9734	97.709	97.6433	97.4464	97.9168
97.9679	97.7006	97.6311	97.4261	97.9102
97.9322	97.6648	97.5912	97.3771	97.8836
97.9574	97.6935	97.6252	97.4197	97.9019
97.9694	97.7131	97.6427	97.4657	97.9122

Program

```

clc;clear;
%baca citra
X = imread('gerak01.bmp');
m='H:\Wavelet Program\tesis\gerak01.bmp';
%X=imnoise(X,'salt & pepper',0.01);
X = rgb2gray(X);
X = double(X);
TotalColors = 255;
map = gray(TotalColors);
X=uint8(X);
n=4;
wname1='db1';
wname2='db2';
wname3='db3';
wname4='db4';
wname5='db5';
wname6='db6';
wname7='coif1';
wname8='coif2';
wname9='coif3';
wname11='coif4';
wname12='coif5';
wname13='sym2';
wname14='sym3';
wname15='sym4';
wname16='sym5';
wname17='sym6';
wname18='sym7';
wname19='sym8';

%%%AJS
Lo_D=[-0.12949,0.22443,0.8366,0.48267];
Hi_D=[-0.48267,0.8366,-0.22443,-0.12949];
Lo_R=[0.48267,0.8366,0.22443,-0.12949];
Hi_R=[-0.12949,-0.22443,0.8366,-0.48267];

tic;
[C1,S1]=wavedec2(X,n,wname1);
[C2,S2]=wavedec2(X,n,wname2);
[C3,S3]=wavedec2(X,n,wname3);
[C4,S4]=wavedec2(X,n,wname4);
[C5,S5]=wavedec2(X,n,wname5);
[C6,S6]=wavedec2(X,n,wname6);
[C7,S7]=wavedec2(X,n,wname7);
[C8,S8]=wavedec2(X,n,wname8);
[C9,S9]=wavedec2(X,n,wname9);

[C11,S11]=wavedec2(X,n,wname11);
[C12,S12]=wavedec2(X,n,wname12);
[C13,S13]=wavedec2(X,n,wname13);
[C14,S14]=wavedec2(X,n,wname14);
[C15,S15]=wavedec2(X,n,wname15);

```

```
[C16,S16]=wavedec2(X,n,wname16);
[C17,S17]=wavedec2(X,n,wname17);
[C18,S18]=wavedec2(X,n,wname18);
[C19,S19]=wavedec2(X,n,wname19);
[C20,S20]=wavedec2(X,n,Lo_D,Hi_D);
```

```
thr=[10 10 10 10 ;10 10 10 10;10 10 10 10];
```

```
exc1=wthcoef2('h',C1,S1,1:n,thr(1,:),'s');
exc1=wthcoef2('d',exc1,S1,1:n,thr(2,:),'s');
exc1=wthcoef2('v',exc1,S1,1:n,thr(3,:),'s');
%%%%%%%%2
exc2=wthcoef2('h',C2,S2,1:n,thr(1,:),'s');
exc2=wthcoef2('d',exc2,S2,1:n,thr(2,:),'s');
exc2=wthcoef2('v',exc2,S2,1:n,thr(3,:),'s');
%%%%%%%%3
exc3=wthcoef2('h',C3,S3,1:n,thr(1,:),'s');
exc3=wthcoef2('d',exc3,S3,1:n,thr(2,:),'s');
exc3=wthcoef2('v',exc3,S3,1:n,thr(3,:),'s');
%%%%%%%%4
exc4=wthcoef2('h',C4,S4,1:n,thr(1,:),'s');
exc4=wthcoef2('d',exc4,S4,1:n,thr(2,:),'s');
exc4=wthcoef2('v',exc4,S4,1:n,thr(3,:),'s');
%%%%%%%%5
exc5=wthcoef2('h',C5,S5,1:n,thr(1,:),'s');
exc5=wthcoef2('d',exc5,S5,1:n,thr(2,:),'s');
exc5=wthcoef2('v',exc5,S5,1:n,thr(3,:),'s');
%%%%%%%%6
exc6=wthcoef2('h',C6,S6,1:n,thr(1,:),'s');
exc6=wthcoef2('d',exc6,S6,1:n,thr(2,:),'s');
exc6=wthcoef2('v',exc6,S6,1:n,thr(3,:),'s');
%%%%%%%%7
exc7=wthcoef2('h',C7,S7,1:n,thr(1,:),'s');
exc7=wthcoef2('d',exc7,S7,1:n,thr(2,:),'s');
exc7=wthcoef2('v',exc7,S7,1:n,thr(3,:),'s');
%%%%%%%%8
exc8=wthcoef2('h',C8,S8,1:n,thr(1,:),'s');
exc8=wthcoef2('d',exc8,S8,1:n,thr(2,:),'s');
exc8=wthcoef2('v',exc8,S8,1:n,thr(3,:),'s');
%%%%%%%%9
exc9=wthcoef2('h',C9,S9,1:n,thr(1,:),'s');
exc9=wthcoef2('d',exc9,S9,1:n,thr(2,:),'s');
exc9=wthcoef2('v',exc9,S9,1:n,thr(3,:),'s');

%%%%%%%%%10
exc11=wthcoef2('h',C11,S11,1:n,thr(1,:),'s');
exc11=wthcoef2('d',exc11,S11,1:n,thr(2,:),'s');
exc11=wthcoef2('v',exc11,S11,1:n,thr(3,:),'s');
%%%%%%%%2
exc12=wthcoef2('h',C12,S12,1:n,thr(1,:),'s');
exc12=wthcoef2('d',exc12,S12,1:n,thr(2,:),'s');
exc12=wthcoef2('v',exc12,S12,1:n,thr(3,:),'s');
%%%%%%%%3
exc13=wthcoef2('h',C13,S13,1:n,thr(1,:),'s');
exc13=wthcoef2('d',exc13,S13,1:n,thr(2,:),'s');
exc13=wthcoef2('v',exc13,S13,1:n,thr(3,:),'s');
```

```

%%%%4
cxc14=wthcoef2('h',C14,S14,1:n,thr(1,:),s');
cxc14=wthcoef2('d',cxc14,S14,1:n,thr(2,:),s');
cxc14=wthcoef2('v',cxc14,S14,1:n,thr(3,:),s');
%%5
cxc15=wthcoef2('h',C15,S15,1:n,thr(1,:),s');
cxc15=wthcoef2('d',cxc15,S15,1:n,thr(2,:),s');
cxc15=wthcoef2('v',cxc15,S15,1:n,thr(3,:),s');
%%6
cxc16=wthcoef2('h',C16,S16,1:n,thr(1,:),s');
cxc16=wthcoef2('d',cxc16,S16,1:n,thr(2,:),s');
cxc16=wthcoef2('v',cxc16,S16,1:n,thr(3,:),s');
%%7
cxc17=wthcoef2('h',C17,S17,1:n,thr(1,:),s');
cxc17=wthcoef2('d',cxc17,S17,1:n,thr(2,:),s');
cxc17=wthcoef2('v',cxc17,S17,1:n,thr(3,:),s');
%%8
cxc18=wthcoef2('h',C18,S18,1:n,thr(1,:),s');
cxc18=wthcoef2('d',cxc18,S18,1:n,thr(2,:),s');
cxc18=wthcoef2('v',cxc18,S18,1:n,thr(3,:),s');
%%9
cxc19=wthcoef2('h',C19,S19,1:n,thr(1,:),s');
cxc19=wthcoef2('d',cxc19,S19,1:n,thr(2,:),s');
cxc19=wthcoef2('v',cxc19,S19,1:n,thr(3,:),s');

cxc20=wthcoef2('h',C20,S20,1:n,thr(1,:),s');
cxc20=wthcoef2('d',cxc20,S20,1:n,thr(2,:),s');
cxc20=wthcoef2('v',cxc20,S20,1:n,thr(3,:),s');

```

```

A41 = wrcoef2('a',C1,S1,wname1,4);
A31 = wrcoef2('a',C1,S1,wname1,3);
A21 = wrcoef2('a',C1,S1,wname1,2);
A11 = wrcoef2('a',C1,S1,wname1,1);
H11 = wrcoef2('h',C1,S1,wname1,1);
V11 = wrcoef2('v',C1,S1,wname1,1);
D11 = wrcoef2('d',C1,S1,wname1,1);
H21 = wrcoef2('h',C1,S1,wname1,2);
V21 = wrcoef2('v',C1,S1,wname1,2);
D21 = wrcoef2('d',C1,S1,wname1,2);
H31 = wrcoef2('h',C1,S1,wname1,3);
V31 = wrcoef2('v',C1,S1,wname1,3);
D31 = wrcoef2('d',C1,S1,wname1,3);
H41 = wrcoef2('h',C1,S1,wname1,4);
V41 = wrcoef2('v',C1,S1,wname1,4);
D41 = wrcoef2('d',C1,S1,wname1,4);

```

% Display the results of a multilevel decomposition.

% Displaying level 4 structure

```
colormap(map);
```

```
figure(1)
```

```
subplot(4,4,1);image(uint8(wcodemat(A11,192)));
```

```
title('Approximation A1')
```

```
subplot(4,4,2);image(uint8(wcodemat(H11,192)));
```

```
title('Horizontal Detail H1')
```

```

subplot(4,4,3);image(uint8(wcodemat(V11,192)));
title('Vertical Detail V1')
subplot(4,4,4);image(uint8(wcodemat(D11,192)));
title('Diagonal Detail D1')
subplot(4,4,5);image(uint8(wcodemat(A21,192)));
title('Approximation A2')
subplot(4,4,6);image(uint8(wcodemat(H21,192)));
title('Horizontal Detail H2')
subplot(4,4,7);image(uint8(wcodemat(V21,192)));
title('Vertical Detail V2')
subplot(4,4,8);image(uint8(wcodemat(D21,192)));
title('Diagonal Detail D2')
subplot(4,4,9);image(uint8(wcodemat(A31,192)));
title('Approximation A3')
subplot(4,4,10);image(uint8(wcodemat(H31,192)));
title('Horizontal Detail H3')
subplot(4,4,11);image(uint8(wcodemat(V31,192)));
title('Vertical Detail V3')
subplot(4,4,12);image(uint8(wcodemat(D31,192)));
title('Diagonal Detail D3')
subplot(4,4,13);image(uint8(wcodemat(A41,192)));
title('Approximation A4')
subplot(4,4,14);image(uint8(wcodemat(H41,192)));
title('Horizontal Detail H4')
subplot(4,4,15);image(uint8(wcodemat(V41,192)));
title('Vertical Detail V4')
subplot(4,4,16);image(uint8(wcodemat(D41,192)));
title('Diagonal Detail D4')

```

```

R1=waverec2(cxc1,S1,wname1);
R2=waverec2(cxc2,S2,wname2);
R3=waverec2(cxc3,S3,wname3);
R4=waverec2(cxc4,S4,wname4);
R5=waverec2(cxc5,S5,wname5);
R6=waverec2(cxc6,S6,wname6);
R7=waverec2(cxc7,S7,wname7);
R8=waverec2(cxc8,S8,wname8);
R9=waverec2(cxc9,S9,wname9);
R11=waverec2(cxc11,S11,wname11);
R12=waverec2(cxc12,S12,wname12);
R13=waverec2(cxc13,S13,wname13);
R14=waverec2(cxc14,S14,wname14);
R15=waverec2(cxc15,S15,wname15);
R16=waverec2(cxc16,S16,wname16);
R17=waverec2(cxc17,S17,wname17);
R18=waverec2(cxc18,S18,wname18);
R19=waverec2(cxc19,S19,wname19);
R20=waverec2(cxc20,S20,Lo_R,Hi_R);
%
%%%%%%%%%%
jum1=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns

```

```

        jum1=jum1+(double(X(i,j)) - double(R1(i,j)))^2;
    end
end
mse1=jum1/ (rows * columns);

psnr1=20 * log10(255/sqrt(mse1));
%%%%%%%%%%

jum2=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum2=jum2+(double(X(i,j)) - double(R2(i,j)))^2;
    end
end
mse2=jum2/ (rows * columns);
psnr2=20 * log10(255/sqrt(mse2));
%%%%%%%%%%

jum3=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum3=jum3+(double(X(i,j)) - double(R3(i,j)))^2;
    end
end
mse3=jum3/ (rows * columns);

psnr3=20 * log10(255/sqrt(mse3));
%%%%%%%%%%

jum4=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum4=jum4+(double(X(i,j)) - double(R4(i,j)))^2;
    end
end
mse4=jum4/ (rows * columns);
psnr4=20 * log10(255/sqrt(mse4));
%%%%%%%%%%

jum5=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum5=jum5+(double(X(i,j)) - double(R5(i,j)))^2;
    end
end
mse5=jum5/ (rows * columns);
psnr5=20 * log10(255/sqrt(mse5));
%%%%%%%%%%

jum6=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum6=jum6+(double(X(i,j)) - double(R6(i,j)))^2;
    end
end
mse6=jum6/ (rows * columns);

```

```

    psnr6=20 * log10(255/sqrt(mse6));
    %%%%%%%%%%
jum7=0;
    [rows columns] = size(X);
    for i=1:rows
        for j=1:columns
            jum7=jum7+(double(X(i,j)) - double(R7(i,j)))^2;
        end
    end
    mse7=jum7/ (rows * columns);
    psnr7=20 * log10(255/sqrt(mse7));
    %%%%%%%%%%
jum8=0;
    [rows columns] = size(X);
    for i=1:rows
        for j=1:columns
            jum8=jum8+(double(X(i,j)) - double(R8(i,j)))^2;
        end
    end
    mse8=jum8/ (rows * columns);
    psnr8=20 * log10(255/sqrt(mse8));
    %%%%%%%%%%
jum9=0;
    [rows columns] = size(X);
    for i=1:rows
        for j=1:columns
            jum9=jum9+(double(X(i,j)) - double(R9(i,j)))^2;
        end
    end
    mse9=jum9/ (rows * columns);
    psnr9=20 * log10(255/sqrt(mse9));

    %%%%%%%%%%5
jum11=0;
    [rows columns] = size(X);
    for i=1:rows
        for j=1:columns
            jum11=jum11+(double(X(i,j)) - double(R11(i,j)))^2;
        end
    end
    mse11=jum11/ (rows * columns);

    psnr11=20 * log10(255/sqrt(mse11));
    %%%%%%%%%%
jum12=0;
    [rows columns] = size(X);
    for i=1:rows
        for j=1:columns
            jum12=jum12+(double(X(i,j)) - double(R12(i,j)))^2;
        end
    end
    mse12=jum12/ (rows * columns);
    psnr12=20 * log10(255/sqrt(mse12));
    %%%%%%%%%%
jum13=0;
    [rows columns] = size(X);

```

```

for i=1:rows
    for j=1:columns
        jum13=jum13+(double(X(i,j)) - double(R13(i,j)))^2;
    end
end
mse13=jum13/ (rows * columns);

psnr13=20 * log10(255/sqrt(mse13));
%%%%%%%%%%

jum14=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum14=jum14+(double(X(i,j)) - double(R14(i,j)))^2;
    end
end
mse14=jum14/ (rows * columns);
psnr14=20 * log10(255/sqrt(mse14));
%%%%%%%%%%

jum15=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum15=jum15+(double(X(i,j)) - double(R15(i,j)))^2;
    end
end
mse15=jum15/ (rows * columns);
psnr15=20 * log10(255/sqrt(mse15));
%%%%%%%%%%

jum16=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum16=jum16+(double(X(i,j)) - double(R16(i,j)))^2;
    end
end
mse16=jum16/ (rows * columns);
psnr16=20 * log10(255/sqrt(mse16));
%%%%%%%%%%

jum17=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum17=jum17+(double(X(i,j)) - double(R17(i,j)))^2;
    end
end
mse17=jum17/ (rows * columns);
psnr17=20 * log10(255/sqrt(mse17));
%%%%%%%%%%

jum18=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum18=jum18+(double(X(i,j)) - double(R18(i,j)))^2;
    end
end

```

```

mse18=jum18/ (rows * columns);
psnr18=20 * log10(255/sqrt(mse18));
%%%%%%
jum19=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum19=jum19+(double(X(i,j)) - double(R19(i,j)))^2;
    end
end
mse19=jum19/ (rows * columns);
psnr19=20 * log10(255/sqrt(mse19));

jum20=0;
[rows columns] = size(X);
for i=1:rows
    for j=1:columns
        jum20=jum20+(double(X(i,j)) - double(R20(i,j)))^2;
    end
end
mse20=jum20/ (rows * columns);

psnr20=20 * log10(255/sqrt(mse20));

imwrite(uint8(R1),'H:\Wavelet Program\tesis\hasil kompress\inter\compress1.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress1.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio1=(1-(bout/bin))*100;
%    disp('Compression Ratio =');
%    disp(compression_ratio);

imwrite(uint8(R2),'H:\Wavelet Program\tesis\hasil kompress\inter\compress2.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress2.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio2=(1-(bout/bin))*100;
%    disp('Compression Ratio =');
%    disp(compression_ratio);

imwrite(uint8(R3),'H:\Wavelet Program\tesis\hasil kompress\inter\compress3.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress3.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio3=(1-(bout/bin))*100;

```

```

%      disp('Compression Ratio =');
%      disp(compression_ratio);

imwrite(uint8(R4),'H:\Wavelet Program\tesis\hasil kompress\inter\compress4.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress4.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio4=(1-(bout/bin))*100;
%      disp('Compression Ratio =');
%      disp(compression_ratio);

imwrite(uint8(R5),'H:\Wavelet Program\tesis\hasil kompress\inter\compress5.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress5.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio5=(1-(bout/bin))*100;
%      disp('Compression Ratio =');
%      disp(compression_ratio);

imwrite(uint8(R6),'H:\Wavelet Program\tesis\hasil kompress\inter\compress6.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress6.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio6=(1-(bout/bin))*100;
%      disp('Compression Ratio =');
%      disp(compression_ratio);

imwrite(uint8(R7),'H:\Wavelet Program\tesis\hasil kompress\inter\compress7.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress7.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio7=(1-(bout/bin))*100;
%      disp('Compression Ratio =');
%      disp(compression_ratio);

imwrite(uint8(R8),'H:\Wavelet Program\tesis\hasil kompress\inter\compress8.jpg');
infoin = imfinfo(m);
infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress8.jpg');
bin = infoin.FileSize;
bout = infoout.FileSize;
%disp(bin);
%disp(bout);
ratio8=(1-(bout/bin))*100;

```

```

%      disp('Compression Ratio =');
%      disp(compression_ratio);

    imwrite(uint8(R9),'H:\Wavelet Program\tesis\hasil kompress\inter\compress9.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress9.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio9=(1-(bout/bin))*100;
%      disp('Compression Ratio =');
%      disp(compression_ratio);

imwrite(uint8(R11),'H:\Wavelet Program\tesis\hasil kompress\inter\compress11.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress11.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio11=(1-(bout/bin))*100;

imwrite(uint8(R12),'H:\Wavelet Program\tesis\hasil kompress\inter\compress12.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress12.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio12=(1-(bout/bin))*100;

    imwrite(uint8(R13),'H:\Wavelet Program\tesis\hasil kompress\inter\compress13.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress13.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio13=(1-(bout/bin))*100;

    imwrite(uint8(R14),'H:\Wavelet Program\tesis\hasil kompress\inter\compress14.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress14.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio14=(1-(bout/bin))*100;

    imwrite(uint8(R15),'H:\Wavelet Program\tesis\hasil kompress\inter\compress15.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress15.jpg');
    bin = infoin.FileSize;

```

```

    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio15=(1-(bout/bin))*100;

    imwrite(uint8(R16),'H:\Wavelet Program\tesis\hasil kompress\inter\compress16.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress16.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio16=(1-(bout/bin))*100;

    imwrite(uint8(R17),'H:\Wavelet Program\tesis\hasil kompress\inter\compress17.jpg');
    infoin =imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress17.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio17=(1-(bout/bin))*100;

    imwrite(uint8(R18),'H:\Wavelet Program\tesis\hasil kompress\inter\compress18.jpg');
    infoin =imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress18.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio18=(1-(bout/bin))*100;

    imwrite(uint8(R19),'H:\Wavelet Program\tesis\hasil kompress\inter\compress19.jpg');
    infoin = imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress19.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio19=(1-(bout/bin))*100;

    imwrite(uint8(R20),'H:\Wavelet Program\tesis\hasil kompress\inter\compress20.jpg');
    infoin =imfinfo(m);
    infoout = imfinfo('H:\Wavelet Program\tesis\hasil kompress\inter\compress20.jpg');
    bin = infoin.FileSize;
    bout = infoout.FileSize;
    %disp(bin);
    %disp(bout);
    ratio20=(1-(bout/bin))*100;

disp('waktu');
toc;

disp(psnr1);
disp(psnr2);

```

```

disp(psnr3);
disp(psnr4);
disp(psnr5);
disp(psnr6);
disp(psnr7);
disp(psnr8);
disp(psnr9);
disp(psnr11);
disp(psnr12);
disp(psnr13);
disp(psnr14);
disp(psnr15);
disp(psnr16);
disp(psnr17);
disp(psnr18);
disp(psnr19);
disp(psnr20);

```

```

%disp('-----rasio-----')

```

```

disp(ratio1);
disp(ratio2);
disp(ratio3);
disp(ratio4);
disp(ratio5);
disp(ratio6);
disp(ratio7);
disp(ratio8);
disp(ratio9);
disp(ratio11);
disp(ratio12);
disp(ratio13);
disp(ratio14);
disp(ratio15);
disp(ratio16);
disp(ratio17);
disp(ratio18);
disp(ratio19);
disp(ratio20);

```

```

R1=double(R1);
colormap(map)

```

```

figure(1)
imshow(X,[]),title('Citra asli rgb');

```

```

figure(2)
imshow(R1,[]),title('Citra asli rekonstruksi');

```