



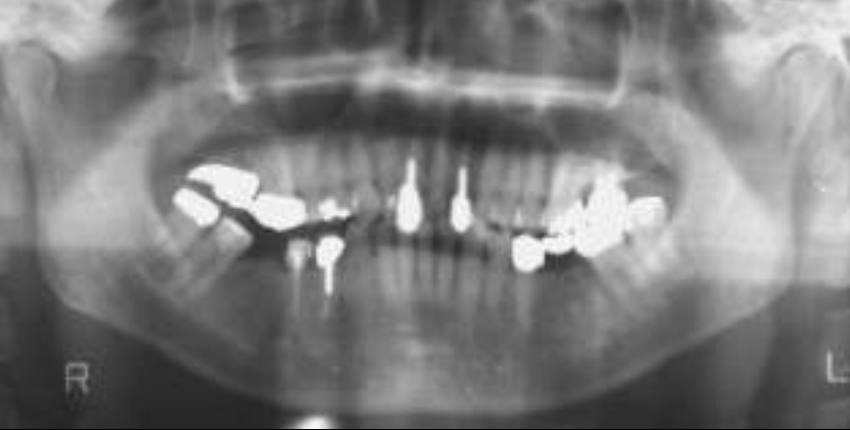

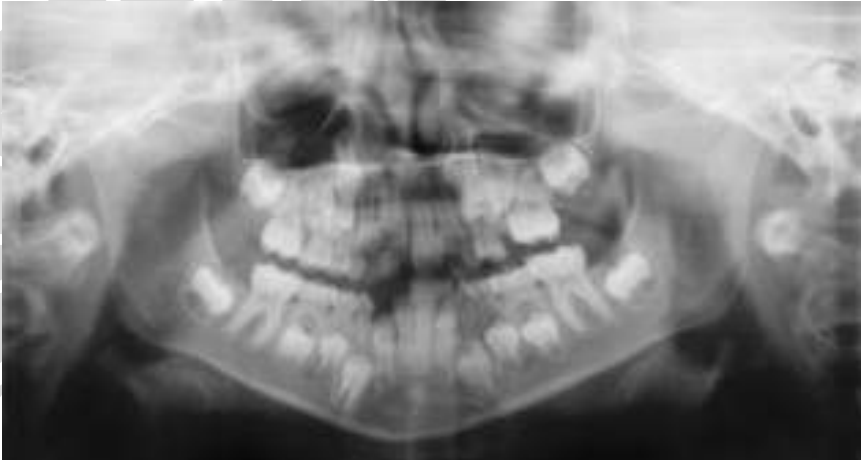



LAMPIRAN

A. Data Pengujian (Citra *Dental X-ray*)

Citra 1	
Citra 2	
Citra 3	

<p>Citra 4</p>	
<p>Citra 5</p>	
<p>Citra 6</p>	

<p>Citra 7</p>	
<p>Citra 8</p>	
<p>Citra 9</p>	

**Citra
10**



**Citra
11**



B. Hasil Pengujian Skenario 1

1. Nilai Residual tiap citra dengan metode QR-LSLF

citra di basisdata	Citra Input											Relevansi
	citra 1	citra 2	citra 3	citra 4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	754.4848	12358.35	3023.715	79980.09	122990.8	95861.5	25377.17	47443.64	7530.399	44557.99	76820.23	relevan
citra 2	12052.01	484.8451	10633.66	35760.44	61199.49	49682.67	15977.35	16792.34	3380.969	17454.49	44523.92	relevan
citra 3	3742.646	11693.63	1545.284	83606.49	121663.1	102239.7	35903.5	44188.19	4891.251	51144.19	62149.76	relevan
citra 4	81598.67	37127.61	83913.67	1851.09	10456.28	3727.781	32008.01	33450.45	59763.33	9866.65	87929.58	relevan
citra 5	122980	61230.46	120520.5	9297.788	648.3962	12747.62	62931.54	35256.73	86588.71	28103.68	78524.05	relevan
citra 6	95947.23	48825.29	100024.5	2395.134	12632.2	612.5808	37973.2	47306.58	75335.21	14066.64	110191.4	relevan
citra 7	24862.41	15835.37	34697.79	30061.51	62510.06	37665.76	305.2495	32119.57	26518.67	7482.19	91505.28	relevan
citra 8	49357.61	18522.98	44982.66	32804.88	36871.49	49230.97	34351.32	2534.994	24726.12	23342.12	21380.03	relevan
citra 9	6938.171	3170.677	3614.493	57766.59	86111.87	74966.83	26457.62	22433.33	241.7153	33287.01	39638.21	relevan
citra 10	43942.94	17170.78	49717.03	8139.322	27626.97	13640.08	7363.034	20991.17	33228.84	185.8162	75974.39	relevan
citra 11	77292.54	44398.39	61152.96	85139.51	78497.95	110615.7	92236.84	19879.9	40430.86	76825.2	1032.687	relevan

2. Nilai derajat kemiripan tiap citra dengan metode CD-FS

Citra Basis Data	Citra Input											Relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	1	0.520935	0.275889	0.476468	0.228782	0.306149	0.492915	0.704507	0.466823	0.765143	0.436457	relevan
citra 2	0.520935	1	0.189081	0.283896	0.252801	0.424548	0.424171	0.312935	0.546903	0.695549	0.153365	relevan
citra 3	0.275889	0.189081	1	0.537554	0.547759	0.449889	0.235315	0.273434	0.203843	0.219562	0.342236	relevan
citra 4	0.476468	0.283896	0.537554	1	0.49367	0.506622	0.414101	0.415979	0.283136	0.5046	0.2287	relevan
citra 5	0.228782	0.252801	0.547759	0.49367	1	0.443181	0.234815	0.227419	0.13512	0.223317	0.489812	relevan
citra 6	0.306149	0.424548	0.449889	0.506622	0.443181	1	0.369181	0.288376	0.292107	0.347586	0.205442	relevan
citra 7	0.492915	0.424171	0.235315	0.414101	0.234815	0.369181	1	0.658854	0.337537	0.558351	0.249405	relevan
citra 8	0.704507	0.312935	0.273434	0.415979	0.227419	0.288376	0.658854	1	0.30154	0.549429	0.551936	relevan
citra 9	0.466823	0.546903	0.203843	0.283136	0.13512	0.292107	0.337537	0.30154	1	0.466691	0.118192	relevan
citra 10	0.765143	0.695549	0.219562	0.5046	0.223317	0.347586	0.558351	0.549429	0.466691	1	0.259952	relevan
citra 11	0.436457	0.153365	0.342236	0.2287	0.489812	0.205442	0.249405	0.551936	0.118192	0.259952	1	relevan

C. Hasil Pengujian Skenario 2

1. Nilai Residual tiap citra dengan metode QR-LSLF untuk rotasi 1 derajat

citra di basisdata	Citra Input											relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	1068.341	18563.51	5422.855	87493.33	36423.55	95933.83	24666.66	54759.9	10378.6	44855.76	88465.04	relevan
citra 2	11099.33	2052.154	9441.368	38375.27	22389.49	47645.87	14294.4	22377.78	5038.127	16454.22	54725.67	relevan
citra 3	2994.132	15754.91	2455.116	88743	26455	100716.6	34318.6	50643.85	6512.352	50324.1	72918.27	tdk relevan
citra 4	81900.22	37696.67	81568.48	3376.584	84977.79	2766.984	31880.46	39584.11	63622.32	10518.12	99297.14	relevan
citra 5	120730	55056.12	112949.5	4348.511	92928.56	8822.312	60073.62	37412.23	87180.17	25767.87	85898.48	tdk relevan
citra 6	97001.18	51119.18	98858.69	5858.841	106354.4	1025.819	38573.57	54040.46	80291.02	15741.94	122219.8	relevan
citra 7	26174.23	21387.16	36189.29	36685.97	62487.16	38296.48	598.9938	39770.82	31016.69	8741.952	104092.8	relevan
citra 8	45180.36	11156.41	36820.42	26782.23	20205.75	43295.15	29172.98	3011.262	22202.34	18404.04	26491.5	relevan
citra 9	5279.148	4085.461	2005.217	60026.23	14124.08	72579.99	23868.45	27042.22	715.9877	31440.87	48579.58	relevan
citra 10	44299.25	19368.51	48606.62	11482.17	60891.56	13108.28	6873.571	27115.87	36763.91	580.2766	87133.34	relevan
citra 11	69615.01	30150.77	48063.89	72473.83	9834.653	100713.9	83520.05	16214.86	33180.95	67957.43	1540.164	relevan

2. Nilai derajat kemiripan tiap citra dengan metode CD-FS untuk rotasi 1 derajat

citra di basisdata	Citra Input											relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	0.901344	0.501096	0.273442	0.342604	0.228782	0.275698	0.494619	0.706912	0.466823	0.729775	0.3792	relevan
citra 2	0.504413	0.926877	0.185656	0.220967	0.252372	0.391657	0.423795	0.310409	0.546903	0.655153	0.08138	relevan
citra 3	0.281879	0.181256	1	0.673678	0.547538	0.442457	0.231946	0.270456	0.203843	0.214825	0.354865	relevan
citra 4	0.492698	0.259441	0.539376	0.934455	0.493022	0.471971	0.406408	0.412283	0.283136	0.465475	0.285004	relevan
citra 5	0.247057	0.237526	0.545773	0.515511	1	0.397936	0.22442	0.227678	0.13512	0.194619	0.52092	relevan
citra 6	0.346384	0.390498	0.448829	0.513379	0.441913	0.863465	0.336827	0.285437	0.292107	0.340034	0.21385	relevan
citra 7	0.54483	0.423579	0.235315	0.377133	0.234022	0.321681	0.933843	0.654768	0.337537	0.563132	0.287657	relevan
citra 8	0.642689	0.30775	0.273434	0.39247	0.227419	0.252116	0.644743	1	0.30154	0.543498	0.482743	relevan
citra 9	0.426041	0.582886	0.20097	0.215427	0.133737	0.285255	0.335327	0.300341	1	0.482326	0.128015	relevan
citra 10	0.737713	0.664287	0.218452	0.382119	0.222866	0.340479	0.546742	0.552567	0.466691	0.982804	0.2016	relevan
citra 11	0.337095	0.110921	0.343016	0.254862	0.490615	0.192794	0.272427	0.551314	0.118192	0.201588	0.874857	relevan

3. Nilai Residual tiap citra dengan metode QR-LSLF untuk rotasi 3 derajat

citra di basisdata	Citra Input											relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	10480.63	34112	15996.18	102813	58238.82	306652	45368.89	80338.25	21487.94	50558.21	125042.9	tdk relevan
citra 2	22089.73	10856.32	13096.98	47196.32	38735.92	229697.2	28087.59	42598.57	10453.35	18090.1	85963.07	tdk relevan
citra 3	8107.62	28465.71	10222.38	101094.7	46462.06	274870.4	48785.45	74128.99	15283.68	53094.17	107757.3	tdk relevan
citra 4	111039.7	44988.08	83381.49	10711.31	99593.36	234174.8	53291.68	59345.24	67418.23	15173.69	129584.8	tdk relevan
citra 5	141917.4	51739.51	103866.7	2542.372	97813.7	204925.8	64077.33	46745.48	82194.21	22201.02	105295.3	tdk relevan
citra 6	131689.7	60917.25	103052.2	15713.81	122627.8	271722.5	68948.94	75804.27	85961.26	23272.89	154266.6	tdk relevan
citra 7	49756.68	35533.2	45191.49	50510.09	82609.77	334418.5	24009.94	64752.28	40910.82	16697.13	139532	tdk relevan
citra 8	45433.24	5555.458	25787.75	23235.98	23249.82	188494.6	15531.21	9052.235	15906.32	8982.613	42785.15	relevan
citra 9	8971.776	11671.15	4440.03	68206.38	29102.62	242737.8	31690.17	45301.48	5195.117	30879.68	77748.66	relevan
citra 10	68346.46	28585.95	52464.11	20914.02	76695.64	275186.9	26799.28	47730.18	42382.1	5520.581	118080.2	relevan
citra 11	49925.83	14274.67	26683.31	59968.85	4288.236	124037.2	47115.35	12093.39	18491.6	47753.42	7861.962	relevan

4. Nilai derajat kemiripan tiap citra dengan metode CD-FS untuk rotasi 3 derajat

citra di basisdata	Citra Input											relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	0.812206	0.521738	0.347123	0.421653	0.207053	0.345442	0.750891	0.454831	0.418616	0.72395	0.469439	tdk relevan
citra 2	0.572881	0.784593	0.21987	0.218787	0.22927	0.419019	0.431085	0.343689	0.538239	0.604601	0.278389	relevan
citra 3	0.266243	0.182661	0.542559	0.680543	0.453128	0.343647	0.219097	0.339053	0.164376	0.270591	0.376386	tdk relevan
citra 4	0.481668	0.297242	0.510175	0.631573	0.596249	0.447392	0.40077	0.526364	0.194372	0.455066	0.519211	tdk relevan
citra 5	0.233562	0.172553	0.615599	0.392822	0.92325	0.396496	0.1838	0.280327	0.082616	0.173863	0.443305	relevan
citra 6	0.41084	0.431108	0.445418	0.426188	0.453692	0.890925	0.286851	0.403739	0.551776	0.322588	0.577599	relevan
citra 7	0.538474	0.357633	0.278733	0.346547	0.194701	0.442325	0.769137	0.829009	0.496453	0.588615	0.487357	relevan
citra 8	0.719205	0.308848	0.319604	0.336485	0.222711	0.303633	0.744592	0.68634	0.307137	0.60719	0.447148	tdk relevan
citra 9	0.414298	0.596432	0.215142	0.29971	0.150188	0.312907	0.371473	0.311049	0.448328	0.467401	0.377923	tdk relevan
citra 10	0.841373	0.599432	0.198242	0.508575	0.219229	0.376603	0.643148	0.488689	0.441395	0.87478	0.375892	relevan
citra 11	0.360444	0.142077	0.511531	0.226493	0.51555	0.199724	0.376838	0.318865	0.075897	0.26232	0.304737	tdk relevan

5. Nilai Residual tiap citra dengan metode QR-LSLF untuk rotasi 5 derajat

citra di basisdata	Citra Input											relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	23275.69	54148.54	33640.2	124593.5	89961.29	133756.7	39453.43	104837.2	41876.21	60536.1	169998.7	tdk relevan
citra 2	29051.69	25070.89	24678.57	62732.07	64990.84	68844.07	18262.12	62603.36	24446.84	24915.54	125848.6	tdk relevan
citra 3	18623.44	46393.2	25474.5	119964.8	76278.18	131951.8	44806.85	97692.18	33299.72	60565.3	151128.8	tdk relevan
citra 4	116865.9	57356.39	93843.98	25662.9	125006.8	15800.56	32714.04	76742.97	79751.57	25773.69	168884.4	tdk relevan
citra 5	137457.6	54451.63	103685.1	7591.13	112373.9	1584.572	43693.13	56032.11	83505.41	24908.86	133675.5	tdk relevan
citra 6	139614.9	75109.28	115721.1	33394.45	150006.3	18936.29	42875.59	94089.43	100396.9	36521.52	195603	relevan
citra 7	61671.34	53896.75	61791.92	71377.16	113461.5	69469.36	13036.66	86745.43	59748.7	29482.85	183632.1	tdk relevan
citra 8	38418.9	6670.981	22883.21	25178.14	34563.33	37414.73	10165.33	17815.28	14942.56	5126.71	67299.59	tdk relevan
citra 9	14300	24718.38	14380.52	82496.45	53291.6	94120.19	25832.65	64357.26	17659.52	35101.26	115348.4	tdk relevan
citra 10	75613.41	42493.56	64332.8	37416.96	102971.2	33104.35	11036.7	66069.01	56253.32	15749.36	157837.9	relevan
citra 11	32886.27	6668.575	13505.01	51834.67	5281.701	77387.86	48222.65	14830.27	7339.446	33281.37	22077.36	relevan

6. Nilai derajat kemiripan tiap citra dengan metode CD-FS untuk rotasi 5 derajat

citra di basisdata	Citra Input											relevansi
	citra 1	citra2	citra3	citra4	citra 5	citra 6	citra 7	citra 8	citra 9	citra 10	citra 11	
citra 1	0.764323	0.543413	0.325306	0.38113	0.255649	0.288951	0.536921	0.44644	0.437228	0.656713	0.346315	tdk relevan
citra 2	0.587565	0.828976	0.265062	0.193363	0.176349	0.233785	0.360095	0.342192	0.623845	0.619236	0.251977	relevan
citra 3	0.294578	0.168836	0.603253	0.788183	0.275863	0.267993	0.294423	0.471912	0.138808	0.219937	0.449111	tdk relevan
citra 4	0.486502	0.302461	0.653256	0.614436	0.332114	0.362404	0.426709	0.395405	0.191471	0.407313	0.630728	tdk relevan
citra 5	0.25947	0.240877	0.841633	0.387454	0.465528	0.168801	0.143979	0.258716	0.142758	0.199954	0.454193	tdk relevan
citra 6	0.392463	0.441986	0.475485	0.464858	0.348988	0.430605	0.452412	0.502549	0.435165	0.35429	0.705218	relevan
citra 7	0.614608	0.379794	0.229874	0.325867	0.188437	0.222997	0.781206	0.457196	0.556805	0.541937	0.442067	relevan
citra 8	0.709782	0.309546	0.303442	0.386045	0.239028	0.20464	0.53623	0.393095	0.319004	0.538648	0.319662	tdk relevan
citra 9	0.411684	0.543407	0.188772	0.259722	0.239376	0.29287	0.309486	0.287583	0.446501	0.525073	0.339782	tdk relevan
citra 10	0.880147	0.679526	0.239779	0.395184	0.182116	0.323034	0.540925	0.461555	0.502809	0.778599	0.39802	relevan
citra 11	0.360826	0.153298	0.415837	0.209342	0.730676	0.107676	0.234887	0.17436	0.113863	0.165333	0.215215	tdk relevan