7. LAMPIRAN

LAMPIRAN 1. Media yang Digunakan dalam Penelitian

Medium *deMan Rogosa Sharpe Broth "MERCK"* (MRS-B)

Medium MRS-B dipersiapkan dengan cara melarutkan 52,2 gram bubuk MRS-B dalam 1 liter aquades kemudian diaduk hingga merata. Selanjutnya media disterilisasi dengan alat autoklaf pada suhu 121°C selama 15 menit sehingga didapatkan media MRS-B yang steril. Komposisi dari MRSB adalah 8 gram ekstrak daging, 10 gram kasein/daging pepton, 20 gram D (+)-glucose, 4 gram ekstrak *yeast*, 5 gram *sodium acetate*, 2 gram *di-Potassium hydrogen phosphate*, 0,04 gram *manganese sulfate*, 2 gram *di-ammonium hydrogen citrate*, 0,2 gram *magnesium sulfate*, dan 1 ml *tween* 80.

Medium *deMan Rogosa Sharpe Agar "MERCK"* (MRS-A)

Medium MRS-A dipersiapkan dengan cara melarutkan 68,2 gram bubuk MRS-A dalam 1 liter aquades kemudian dihomogenkan menggunakan *stirrer* sambil dipanasakan diatas *hot plate*. Selanjutnya media disterilisasi dengan alat autoklaf pada suhu 121°C selama 15 menit sehingga didapatkan media MRS-A yang steril. Komposisi dari MRSA dalam tiap liternya adalah 0,2 gram *magnesium sulfate*, 10 gram pepton kasein, 14 gram agar-agar, 4 gram ekstrak yeast, 2 gram di-*Kalium hydrogen phosphate*, 1 gram *tween* 80, 2 gram *ammonium-hydrogencitrate*, 20 gram D (+)-glucose, 5 gram *sodium acetate*, 0,04 gram *manganese sulfate*, dan 10 gram ekstrak daging.

Medium *Nutrient Broth "MERCK"* (NB)

Medium NB dipersiapkan dengan cara melarutkan 8 gram bubuk MRS-B dalam 1 liter aquades kemudian diaduk hingga merata. Selanjutnya media disterilisasi dengan alat autoklaf pada suhu 121°C selama 15 menit sehingga didapatkan media NB yang steril. Komposisi dari NB mengandung 3 gram ekstrak daging dan 5 gram pepton daging dalam setiap liternya.

Medium *Nutrient Agar "MERCK"* (NA)

Medium NA dipersiapkan dengan cara melarutkan 20 gram bubuk NA dalam 1 liter aquades kemudian dihomogenkan menggunakan *stirrer* sambil dipanasakan diatas *hot plate*. Selanjutnya media disterilisasi dengan alat autoklaf pada suhu 121°C selama 15 menit sehingga didapatkan media NA yang steril. Komposisi dari NA mengandung 3 gram ekstrak daging, 12 gram agar dan 5 gram pepton daging dalam setiap liternya.

LAMPIRAN 2. Komposisi dari Larutan Standard McFarland 2, 3, dan 5

Larutan standar McFarland 2 dibuat dengan cara menyampurkan 0,2 ml dari 1% $BaCl_2$ dengan 9,8 ml dari 1% H_2SO_4. Larutan standar McFarland 2 setara dengan konsentrasi bakteri sebesar 600 CFU (x 10^6 ml^{-1}). Larutan standar McFarland 3 dibuat dengan cara menyampurkan 0,3 ml dari 1% $BaCl_2$ dengan 9,7 ml dari 1% H_2SO_4. Larutan standar McFarland 3 setara dengan konsentrasi bakteri sebesar 900 CFU (x 10^6 ml^{-1}). Larutan standar McFarland 5 dibuat dengan cara menyampurkan 0,5 ml dari 1% $BaCl_2$ dengan 9,5 ml dari 1% H_2SO_4. Larutan standar McFarland 5 setara dengan konsentrasi bakteri sebesar 1500 CFU (x 10^6 ml^{-1}). Dalam penelitian ini, larutan standar McFarland 2 digunakan untuk pengujian identifikasi spesies, sedangkan larutan standar McFarland 3 dan 5 digunakan dalam pengujian aktivitas antimikroba.

LAMPIRAN 3. Penentuan Lama Waktu Fermentasi Acar Kubis Putih pada Suhu Ruang 30°C

Tabel 6. Hasil Uji Pendahuluan Lama Waktu Fermentasi Acar Kubis Putih

Hari	Ulangan	pH	
		5%	7,5%
0	1	6,51	6,52
	2	6,55	6,51
	3	6,52	6,49
1	1	5,95	6,02
	2	5,99	6,10
	3	5,90	6,07
2	1	5,21	5,56
	2	5,24	5,59
	3	5,22	5,52
3	1	4,18	4,85
	2	4,23	4,87
	3	4,22	4,87
4	1	3,61	4,13
	2	3,64	4,07
	3	3,62	4,11
5	1	3,60	4,10
	2	3,59	4,11
	3	3,60	4,13

Keterangan: Data pribadi dilakukan pada bulan Agustus 2016 di Laboratorium Mikrobiologi Pangan Universitas Katolik Soegijapranata

LAMPIRAN 4. Kemampuan Tumbuh Isolat Bakteri Asam Laktat Hasil Fermentasi Acar Kubis Putih dalam Kadar Garam 5% pada Tingkat Suhu, Kondisi pH, dan Kadar NaCl yang Berbeda

Tabel 7. Hasil Absorbansi Kemampuan Tumbuh Isolat Bakteri Asam Laktat Hasil Fermentasi Acar Kubis Putih dalam Kadar Garam 5% pada Tingkat Suhu, Kondisi pH, dan Kadar NaCl yang Berbeda

Kode Isolat	Ulangan	Suhu (^oC)				pH				Kadar Garam (%)			
		10		45		4,4		9,6		6,5		18	
		H-24	H-48	H-24	H-48	H-24	H-48	H-24	H-48	H-24	H-48	H-24	H-48
H1C1	1	0,4037	0,7238	1,5220	1,9003	1,6317	2,1729	1,9032	2,1786	0,5226	0,9349	0,0960	0,1130
	2	0,4054	0,7207	1,5274	1,9012	1,6311	2,1724	1,9057	2,1783	0,5232	0,9334	0,0955	0,1133
	3	0,4052	0,7184	1,5293	1,9006	1,6315	2,1724	1,9063	2,1777	0,5226	0,9344	0,0960	0,1133
H1C2	1	0,4701	0,9816	1,9003	2,0044	1,6949	2,1513	1,6339	2,1472	0,2453	1,7659	0,0413	0,0404
	2	0,4681	0,9698	1,8980	2,0042	1,6945	2,1518	1,6334	2,1466	0,2456	1,7565	0,0411	0,0401
	3	0,4675	0,9708	1,8972	2,0049	1,6938	2,1530	1,6335	2,1463	0,2464	1,7510	0,0410	0,0400
H1C3	1	0,4010	0,8264	1,7806	1,8968	2,1151	2,3001	1,5264	2,1554	0,1477	1,5440	0,0492	0,0486
	2	0,4036	0,8275	1,7817	1,8967	2,1135	2,2984	1,5242	2,1562	0,1476	1,5375	0,0487	0,0489
	3	0,4059	0,8257	1,7785	1,8960	2,1125	2,2975	1,5214	2,1573	0,1479	1,5373	0,0481	0,0485
H1C4	1	0,4232	0,9298	1,6696	1,8219	1,6747	2,1670	1,9115	2,1574	0,1968	1,4278	0,0407	0,0423
	2	0,4250	0,9310	1,6764	1,8213	1,6741	2,1682	1,9128	2,1567	0,1946	1,4352	1,0410	0,0417
	3	0,4269	0,9321	1,6757	1,8217	1,6741	2,1686	1,9165	2,1564	0,2035	1,4386	0,0412	0,0416
H1C5	1	0,3047	0,5648	2,2639	2,2803	2,0511	2,2791	2,0784	2,1299	0,8993	1,9204	0,0357	0,0423
	2	0,3068	0,5312	2,2650	2,2797	2,0513	2,2791	2,0791	2,1300	0,9043	1,9208	0,0363	0,0425
	3	0,3077	0,5286	2,2663	2,2793	2,0515	2,2786	2,0793	2,1303	0,9061	1,9212	0,0371	0,0425
H1C6	1	0,3414	0,8175	1,6246	1,8860	1,8068	2,1590	1,9015	2,1805	0,1464	1,0837	0,0388	0,0380
	2	0,3450	0,8191	1,6270	1,8816	1,8043	2,1598	1,9023	2,1804	0,1469	1,1505	0,0383	0,0372

Lanjutan Tabel 7.

	3	0,3478	0,8197	1,6246	1,8791	1,8034	2,1606	1,9028	2,1801	0,1472	1,1488	0,0380	0,0370
H1C7	1	0,2546	0,4718	2,3129	2,2836	2,0806	2,2660	1,7194	2,1013	1,0221	1,9496	0,0534	0,0557
	2	0,2581	0,4645	2,3142	2,2826	2,0812	2,2674	1,7241	2,1017	1,0309	1,9471	0,0539	0,0559
	3	0,2599	0,4573	2,3148	2,2827	2,0824	2,2691	1,7268	2,1022	1,0361	1,9489	0,0544	0,0560
H1C9	1	0,3721	0,7007	2,3085	2,2693	2,0479	2,2774	1,6709	2,1695	1,0763	1,9740	0,0382	0,0441
	2	0,3706	0,6658	2,3105	2,2687	2,0476	2,2795	1,6732	2,1693	1,0740	1,9722	0,0382	0,0455
	3	0,3693	0,6563	2,3109	2,2686	2,0477	2,2805	1,6745	2,1696	1,0729	1,9674	0,0382	0,0432
H1C10	1	0,3997	0,8293	2,2790	2,2594	2,0831	2,2826	1,6119	2,1152	1,1411	1,9393	0,0390	0,0429
	2	0,3998	0,8165	2,2820	2,2604	2,0830	2,2833	1,6043	2,1150	1,1387	1,9376	0,0398	0,0427
	3	0,4019	0,8042	2,2852	2,2609	2,0833	2,2834	1,6027	2,1151	1,1397	1,9360	0,0397	0,0427
H1C11	1	0,2823	0,4611	2,2726	2,2323	2,1005	2,2733	1,6213	2,1111	0,8900	1,9095	0,0431	0,0416
	2	0,2891	0,4556	2,2742	2,2342	2,1006	2,2746	1,6225	2,1090	0,8862	1,9072	0,0433	0,0436
	3	0,2950	0,4411	2,2761	2,2361	2,1011	2,2748	1,6229	2,1089	0,8869	1,9042	0,0449	0,0440
H1C13	1	0,2898	0,4609	2,2753	2,2774	2,0036	2,2988	1,4845	2,1591	1,2995	1,9682	0,0324	0,0310
	2	0,2926	0,4527	2,2746	2,2769	2,0079	2,2977	1,4877	2,1582	1,3117	1,9685	0,0323	0,0315
	3	0,2935	0,4505	2,2740	2,2756	2,0086	2,2970	1,4886	2,1580	1,3224	1,9691	0,0326	0,0317
H1C14	1	0,4279	0,7810	2,2656	2,2386	2,0963	2,2771	1,3279	2,1457	1,2056	1,9523	0,0308	0,0322
	2	0,4242	0,7720	2,2679	2,2367	2,0964	2,2776	1,3267	2,1452	1,1981	1,9530	0,0306	0,0327
	3	0,4231	0,7722	2,2694	2,2368	2,0962	2,2781	1,3247	2,1454	1,1964	1,9532	0,0306	0,0327
H1C15	1	0,2697	0,5601	2,2879	2,2564	2,1163	2,2729	1,5460	2,1317	0,6713	1,9204	0,0151	0,0166
	2	0,2705	0,5628	2,2896	2,2549	2,1163	2,2739	1,5466	2,1318	0,6718	1,9208	0,0155	0,0166
	3	0,2716	0,5613	2,2911	2,2530	2,1161	2,2737	1,5468	2,1321	0,6719	1,9208	0,0158	0,0166
H2C1	1	0,3760	0,7380	2,3123	2,2705	2,0963	2,2832	1,7853	2,1639	1,3769	1,9772	0,0367	0,0348
	2	0,3837	0,7424	2,3130	2,2707	2,0975	2,2827	1,7872	2,1640	1,3776	1,9768	0,0354	0,0344
	3	0,3898	0,7423	2,3137	2,2698	2,0981	2,2824	1,7881	2,1647	1,3797	1,9763	0,0352	0,0344
H2C4	1	0,3763	0,8092	2,2728	2,2721	2,0256	2,2945	1,4807	2,1647	1,4366	2,0107	0,0342	0,0314

Lanjutan Tabel 7.

	2	0,3760	0,8003	2,2729	2,2708	2,0242	2,2948	1,4856	2,1437	1,4363	2,0132	0,0346	0,0313
	3	0,3757	0,8032	2,2727	2,2692	2,0234	2,2948	1,4886	2,1441	1,4413	2,0142	0,0358	0,0313
H2C6	1	0,2623	0,4309	2,2612	2,2633	2,0149	2,3001	1,4652	2,1418	0,8346	1,9628	0,0406	0,0394
	2	0,2614	0,4254	2,2646	2,2630	2,0149	2,3019	1,4680	2,1413	0,8344	1,9617	0,0406	0,0398
	3	0,2616	0,4216	2,2658	2,2627	2,0158	2,3025	1,4683	2,1410	0,8360	1,9602	0,0405	0,0405
H2C8	1	0,2917	0,5407	2,2876	2,2433	2,0995	2,2856	1,5483	2,1151	1,3714	1,9700	0,0401	0,0413
	2	0,2899	0,5479	2,2877	2,2440	2,0999	2,2861	1,5490	2,1142	1,3750	1,9700	0,0396	0,0409
	3	0,2869	0,5516	2,2873	2,2436	2,0988	2,2861	1,5478	2,1134	1,3814	1,9704	0,0391	0,0407
H2C9	1	0,3673	0,6571	2,2954	2,2857	2,0784	2,2966	1,4537	2,1368	1,2032	1,9518	0,0298	0,0272
	2	0,3682	0,6492	2,2958	2,2854	2,0784	2,2973	1,4534	2,1362	1,1992	1,9504	0,0296	0,0272
	3	0,3690	0,6424	2,2961	2,2852	2,0791	2,2976	1,4546	2,1355	1,1966	1,9478	0,0295	0,0272
H2C10	1	0,3131	0,6253	2,2746	2,2296	2,0100	2,2944	1,6931	2,1092	1,3435	1,9780	0,0354	0,0348
	2	0,3114	0,6230	2,2751	2,2285	2,0086	2,2957	1,6944	2,1083	1,3431	1,9764	0,0361	0,0351
	3	0,3098	0,6092	2,2753	2,2279	2,0080	2,2962	1,6925	2,1084	1,3450	1,9742	0,0364	0,0349
H2C11	1	0,2545	0,4721	2,3054	2,2782	2,0311	2,3048	1,5388	2,1066	1,3533	1,9595	0,0486	0,0521
	2	0,2511	0,4761	2,3059	2,2795	2,0321	2,3058	1,5444	2,1070	1,3527	1,9600	0,0488	0,0521
	3	0,2483	0,4748	2,3062	2,2801	2,0327	2,3062	1,5501	2,1071	1,3521	1,9591	0,0485	0,0521
H2C14	1	0,2592	0,3679	2,3039	2,2560	2,1114	2,2641	1,5842	2,0770	1,1192	1,9399	0,0345	0,0323
	2	0,2562	0,3675	2,3038	2,2554	2,1113	2,2650	1,5859	2,0770	1,1128	1,9429	0,0354	0,0323
	3	0,2560	0,3645	2,3037	2,2572	2,1112	2,2651	1,5868	2,0767	1,1042	1,9441	0,0351	0,0322
H3A1	1	0,3129	0,3749	2,0722	2,0961	2,1358	2,2087	0,1021	0,0879	1,5545	1,8537	0,0664	0,0665
	2	0,3148	0,3774	2,0747	2,0957	2,1369	2,2098	0,1006	0,0875	1,5551	1,8506	0,0668	0,0666
	3	0,3134	0,3737	2,0754	2,0974	2,1397	2,2099	0,1010	0,0875	1,5549	1,8514	0,0669	0,0667
H3A3	1	0,2880	0,5779	2,2919	2,3322	2,0539	2,2795	1,5678	2,1257	0,5342	1,5781	0,0391	0,0430
	2	0,2799	0,5749	2,2945	2,3319	2,0536	2,2794	1,5708	2,1247	0,5389	1,5783	0,0396	0,0434
	3	0,2776	0,5700	2,2964	2,3325	2,0538	2,2793	1,5721	2,1245	0,5339	1,5743	0,0393	0,0427

Lanjutan Tabel 7.

H3A7	1	0,6339	1,2410	2,0807	2,1350	2,1482	2,2104	2,1381	2,1832	1,5505	1,8540	0,0751	0,0748
	2	0,6284	1,2464	2,0821	2,1363	2,1507	2,2116	2,1404	2,1836	1,5494	1,8531	0,0754	0,0747
	3	0,6267	1,2489	2,0834	2,1373	2,1512	2,2124	2,1414	2,1834	1,5509	1,8511	0,0752	0,0745
H3A9	1	0,3848	0,6909	2,2316	2,2526	2,0204	2,2534	1,3350	2,0182	0,4372	1,8358	0,0435	0,0433
	2	0,3821	0,6662	2,2312	2,2522	2,0199	2,2536	1,3377	2,0184	0,4351	1,8267	0,0431	0,0438
	3	0,3798	0,6557	2,2036	2,2529	2,0195	2,2533	1,3410	2,0188	0,4335	1,8203	0,0427	0,0442
H3A12	1	0,4838	1,0702	2,2572	2,2696	2,1191	2,2963	1,6210	2,1729	1,3152	1,8813	0,0351	0,0331
	2	0,4857	1,0601	2,2581	2,2699	2,1179	2,2969	1,6220	2,1723	1,3160	1,8820	0,0351	0,0331
	3	0,4839	1,0593	2,2585	2,2703	2,1175	2,2970	1,6220	2,1720	1,3165	1,8823	0,0353	0,0332
H3A13	1	0,3384	0,6301	2,0863	2,0688	1,9556	2,1110	1,5036	2,1361	0,8103	1,9955	0,0420	0,0450
	2	0,3369	0,6449	2,0870	2,0685	1,9533	2,1118	1,5020	2,1365	0,8170	1,9955	0,0419	0,0452
	3	0,3376	0,6635	2,0881	2,0689	1,9533	2,1120	1,4987	2,1366	0,8160	1,9942	0,0417	0,0452
H3A14	1	0,2877	0,4741	2,1123	2,1575	1,9925	2,1865	1,5966	2,0731	1,4172	1,9514	0,0375	0,0469
	2	0,2909	0,4779	2,1124	2,1585	1,9912	2,1880	1,5969	2,0733	1,4148	1,9502	0,0375	0,0457
	3	0,2935	0,4791	2,1134	2,1590	1,9904	2,1889	1,5970	2,0779	1,4073	1,9478	0,0378	0,0453
H3A15	1	0,4451	1,0089	2,1401	2,1729	2,1950	2,2774	2,2026	2,2310	1,5553	1,8641	0,0509	0,0499
	2	0,4449	1,0136	2,1411	2,1730	2,1955	2,2772	2,2034	2,2309	1,5668	1,8631	0,0514	0,0495
	3	0,4456	1,0148	2,1414	2,1727	2,1948	2,2770	2,2049	2,2311	1,5717	1,8637	0,0515	0,0492
H3A16	1	0,3751	0,9138	2,1589	2,1883	2,0362	2,2450	1,9989	2,1699	1,3501	1,9626	0,0337	0,0374
	2	0,3772	0,9150	2,1600	2,1881	2,0352	2,2463	1,9997	2,1709	1,3505	1,9637	0,0335	0,0372
	3	0,3777	0,9072	2,1601	2,1887	2,0334	2,2469	1,9999	2,1716	1,3515	1,9661	0,0336	0,0369
H3A17	1	0,3597	0,7167	2,0931	2,1083	1,9988	2,1120	1,5964	2,1522	1,3295	2,0087	0,0318	0,0374
	2	0,3574	0,7120	2,0947	2,1080	1,9977	2,1106	1,5964	2,1524	1,3343	2,0078	0,0319	0,0372
	3	0,3550	0,7071	2,0959	2,1076	1,9975	2,1114	1,5963	2,1528	1,3391	2,0080	0,0320	0,0371
H3A19	1	0,5333	1,1594	2,2108	2,2607	2,0504	2,2168	2,1706	2,2075	1,4201	1,8849	0,0468	0,0480
	2	0,5331	1,1530	2,2112	2,2605	2,0496	2,2165	2,1710	2,2072	1,4205	1,8874	0,0469	0,0479

Lanjutan Tabel 7.

	3	0,5345	1,1608	2,2110	2,2606	2,0491	2,2164	2,1711	2,2075	1,4203	1,8908	0,0467	0,0480
H3A20	1	0,3494	0,8529	2,0582	2,1039	2,1337	2,2306	2,2337	2,2084	1,7018	2,0232	0,0572	0,0536
	2	0,3507	0,8545	2,0578	2,1034	2,1338	2,2314	2,2338	2,2079	1,7009	2,0237	0,0567	0,0553
	3	0,3534	0,8574	2,0578	2,1034	2,1338	2,2318	2,2337	2,2076	1,6984	2,0242	0,0565	0,0555

Tabel 8. Hasil Absorbansi Kemampuan Tumbuh Isolat Bakteri Asam Laktat Hasil Fermentasi Acar Kubis Putih dalam Kadar Garam 7,5% pada Tingkat Suhu, Kondisi pH, dan Kadar NaCl yang Berbeda

Kode Isolat	Ulangan	Suhu				pH				Kadar Garam			
		10		45		4,4		9,6		6,5		18	
		24	48	24	48	24	48	24	48	24	48	24	48
C3A4	1	0,0681	0,1602	1,4496	1,7056	1,7103	2,2630	1,9926	2,1518	0,0836	1,9273	0,0499	0,0393
	2	0,0688	0,1626	1,4536	1,7035	1,7079	2,2661	1,9932	2,1520	0,0817	1,9183	0,0495	0,0392
	3	0,0706	0,1612	1,4603	1,7030	1,7068	2,2675	1,9937	2,1525	0,0827	1,9124	0,0489	0,0395
C3A5	1	0,1617	0,1757	2,2070	2,1702	2,1356	2,2614	2,1993	2,3728	0,9761	1,9396	0,0517	0,0535
	2	0,1735	0,1752	2,2077	2,1716	2,1343	2,2618	2,1992	2,3728	0,9768	1,9433	0,0528	0,0534
	3	0,1818	0,1752	2,2054	2,1723	2,1338	2,2611	2,1989	2,3728	0,9733	1,9466	0,0535	0,0533
C3A7	1	0,1890	0,2650	2,3216	2,2972	2,1060	2,2621	2,1430	2,1589	0,7752	2,0445	0,0486	0,0409
	2	0,1926	0,2681	2,3218	2,2971	2,1064	2,2635	2,1436	2,1596	0,7692	2,0434	0,0487	0,0409
	3	0,1954	0,2706	2,3226	2,2976	2,1084	2,2644	2,1437	2,1595	0,7643	2,0419	0,0491	0,0412
C3A12	1	0,1034	0,1947	1,6314	1,8226	1,9605	2,2600	2,1162	2,2893	0,8115	2,0201	0,0175	0,0214
	2	0,1067	0,2060	1,6279	1,8241	1,9609	2,2599	2,1168	2,2894	0,8092	2,0249	0,0179	0,0216
	3	0,1089	0,2117	1,6264	1,8260	1,9613	2,2599	2,1176	2,2891	0,8078	2,0337	0,0179	0,0217
C3A15	1	0,1127	0,2637	2,0413	2,1407	1,9924	2,2568	2,1656	2,3038	0,7507	2,0166	0,0233	0,0320

Lanjutan Tabel 8.

	2	0,1105	0,2741	2,0425	2,1406	1,9913	2,2521	2,1670	2,3038	0,7448	2,0175	0,0240	0,0327
	3	0,1096	0,2696	2,0443	2,1406	1,9906	2,2506	2,1679	2,3036	0,7435	2,0192	0,0241	0,0323
C3A16	1	0,2120	0,4583	2,3089	2,2767	2,0985	2,2702	2,1212	2,2831	1,6718	2,0852	0,0462	0,0435
	2	0,2122	0,4550	2,3098	2,2767	2,0974	2,2681	2,1224	2,2828	1,6730	2,0864	0,0476	0,0431
	3	0,2106	0,4595	2,3107	2,2762	2,0953	2,2656	2,1230	2,2826	1,6731	2,0868	0,0469	0,0427
C3A19	1	0,2032	0,2870	2,3033	2,3086	2,0956	2,2517	0,0647	0,0581	0,5013	1,9931	0,0350	0,0294
	2	0,2008	0,2903	2,3042	2,3089	2,0953	2,2534	0,0649	0,0581	0,5037	1,9921	0,0347	0,0295
	3	0,1978	0,2939	2,3063	2,3090	2,0947	2,2535	0,0650	0,0581	0,5063	1,9954	0,0350	0,0301
C3A20	1	0,1432	0,1824	1,6706	1,7797	1,7843	2,2034	2,1491	2,2749	1,0198	1,9202	0,0438	0,0394
	2	0,1508	0,1810	1,6705	1,7805	1,7825	2,2044	2,1498	2,2757	1,0180	1,9225	0,0436	0,0390
	3	0,1578	0,1796	1,6725	1,7826	1,7810	2,2047	2,1502	2,2745	1,0248	1,9238	0,0436	0,0393
C3A21	1	0,1033	0,1672	1,8268	1,8984	1,8004	2,2381	2,1468	2,1048	1,6252	2,0138	0,0489	0,0481
	2	0,1034	0,1673	1,8362	1,8987	1,7996	2,2387	2,1475	2,1052	1,6259	2,0128	0,0492	0,0478
	3	0,1039	0,1681	1,8423	1,8991	1,7992	2,2389	2,1478	2,1052	1,6268	2,0116	0,0491	0,0477
C3A22	1	0,1351	0,2959	2,2687	2,2818	2,0643	2,3014	2,1362	2,2206	1,3636	2,0403	0,0296	0,0279
	2	0,1348	0,3040	2,2692	2,2812	2,0604	2,3014	2,1369	2,2204	1,3725	2,0421	0,0294	0,0281
	3	0,1349	0,3105	2,2707	2,2812	2,0578	2,3008	2,1377	2,2204	1,3931	2,0438	0,0287	0,0283
C3A23	1	0,1194	0,1877	1,7767	1,8042	1,7805	2,2855	1,9590	2,1675	0,1428	1,9229	0,0349	0,0418
	2	0,1238	0,1892	1,7776	1,8045	1,7731	2,2853	1,9581	2,1673	0,1421	1,9258	0,0347	0,0424
	3	0,1281	0,1895	1,7800	1,8045	1,7785	2,2853	1,9575	2,1674	0,1416	1,9282	0,0347	0,0432
C3A27	1	0,1337	0,2749	2,1906	2,2825	2,1310	2,2626	2,1561	2,2547	1,0063	2,0010	0,0408	0,0419
	2	0,1335	0,2748	2,1912	2,2832	2,1325	2,2631	2,1559	2,2544	1,0053	2,0007	0,0406	0,0420
	3	0,1340	0,2760	2,1921	2,2832	2,1334	2,2621	2,1559	2,2566	1,0059	2,0001	0,0432	0,0426
C3A28	1	0,0787	0,1226	1,4541	1,6246	1,9570	2,2739	1,9825	2,2876	1,5584	2,0523	0,0596	0,0599

Lanjutan Tabel 8.

	2	0,0786	0,1213	1,4536	1,6240	1,9545	2,2739	1,9808	2,2877	1,5596	2,0537	0,0591	0,0595
	3	0,0785	0,1201	1,4546	1,6234	1,9530	2,2739	1,9798	2,2875	1,5588	2,0552	0,0584	0,0595
C3A34	1	0,2351	0,5327	1,3642	1,3553	1,9395	2,2407	2,0054	2,3272	1,4945	2,0378	0,0524	0,0487
	2	0,0243	0,5298	1,3641	1,3400	1,9393	2,2408	2,0070	2,3270	1,4936	2,0342	0,0526	0,0482
	3	0,2516	0,5279	1,3634	1,3529	1,9392	2,2412	2,0077	2,3269	1,4916	2,0319	0,0520	0,0474
C3A36	1	0,2935	0,7851	1,7310	1,6953	1,8703	2,3246	2,1188	2,2942	1,0601	1,2950	0,0431	0,0438
	2	0,2969	0,7849	1,7321	1,7021	1,8694	2,3256	2,1182	2,2943	1,0363	1,2955	0,0430	0,0439
	3	0,3009	0,7849	1,7319	1,7225	1,8692	2,3268	2,1175	2,2938	1,0265	1,2973	0,0430	0,0440
C3A37	1	0,1013	0,3223	1,6861	1,7035	1,7223	2,1822	1,9182	2,2126	0,2671	1,4735	0,0415	0,0422
	2	0,1021	0,3227	1,6890	1,7008	1,7206	2,1827	1,9168	2,2117	0,2679	1,4884	0,0414	0,0421
	3	0,1027	0,3234	1,6904	1,7000	1,7198	2,1825	1,9161	2,2125	0,2704	1,4779	0,0411	0,0427
C3A38	1	0,2526	0,3110	2,2822	2,2341	2,0547	2,2533	1,4717	2,2053	0,0393	1,4138	0,0389	0,0399
	2	0,2596	0,3152	2,2825	2,2321	2,0548	2,2528	1,4720	2,2039	0,0394	1,4119	0,0390	0,0398
	3	0,2677	0,3190	2,2827	2,2315	2,0555	2,2521	1,4724	2,2032	0,0391	1,4149	0,0389	0,0401
C3A39	1	0,1215	0,4169	1,5299	1,8261	1,9257	2,3221	1,8613	2,3408	1,3646	1,9957	0,0464	0,0479
	2	0,1267	0,4214	1,5330	1,8269	1,9243	2,3222	1,8619	2,3404	1,3597	1,9941	0,0465	0,0470
	3	0,1324	0,4237	1,5402	1,8284	1,9226	2,3224	1,8623	2,3407	1,3590	1,9901	0,0465	0,0466
C3A41	1	0,1205	0,2734	1,7368	1,7256	2,0491	2,1932	1,7222	2,2071	1,3908	1,9955	0,0482	0,0503
	2	0,1250	0,2713	1,7388	1,7012	2,0488	2,1926	1,7219	2,2061	1,3872	1,9911	0,0487	0,0497
	3	0,1304	0,2679	1,7417	1,7194	2,0488	2,1932	1,7221	2,2052	1,3831	1,9909	0,0488	0,0491
C3A46	1	0,1273	0,2876	1,5524	1,4844	1,8774	2,1884	2,1315	2,3197	0,8001	1,9745	0,0506	0,0536
	2	0,1327	0,2866	1,5524	1,4888	1,8774	2,1892	2,1317	2,3193	0,7984	1,9742	0,0502	0,0537
	3	0,1460	0,2869	1,5530	1,4919	1,8774	2,1898	2,1315	2,3189	0,7985	1,9739	0,0508	0,0536
C3A47	1	0,1233	0,3442	1,4663	1,8096	1,8939	2,1605	2,0712	2,2269	0,9487	1,4403	0,0228	0,0219
	2	0,1219	0,3436	1,4580	1,8090	1,8957	2,1605	2,0710	2,2270	0,9495	1,4193	0,0228	0,0218

Lanjutan Tabel 8.

	3	0,1221	0,3453	1,4612	1,8087	1,8962	2,1606	2,0714	2,2269	0,9509	1,4151	0,0228	0,0212
C3A48	1	0,1364	0,3407	1,5788	1,6250	1,9904	2,2496	1,5025	2,1333	1,2389	1,9891	0,0386	0,0434
	2	0,1415	0,3416	1,5795	1,6250	1,9908	2,2502	1,5035	2,1326	1,2433	1,9888	0,0400	0,0434
	3	0,1458	0,3423	1,5775	1,6249	1,9912	2,2501	1,5037	2,1322	1,2482	1,9901	0,0394	0,0431
C3A50	1	0,2162	0,4272	1,6644	1,6543	1,8414	2,1594	1,5500	2,2005	1,1211	1,7915	0,0476	0,0479
	2	0,2200	0,4311	1,6589	1,6540	1,8412	2,1596	1,5511	2,2003	1,1353	1,7879	0,0472	0,0479
	3	0,2227	0,4318	1,6561	1,6498	1,8410	2,1594	1,5518	2,2003	1,1452	1,7835	0,0468	0,0478

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