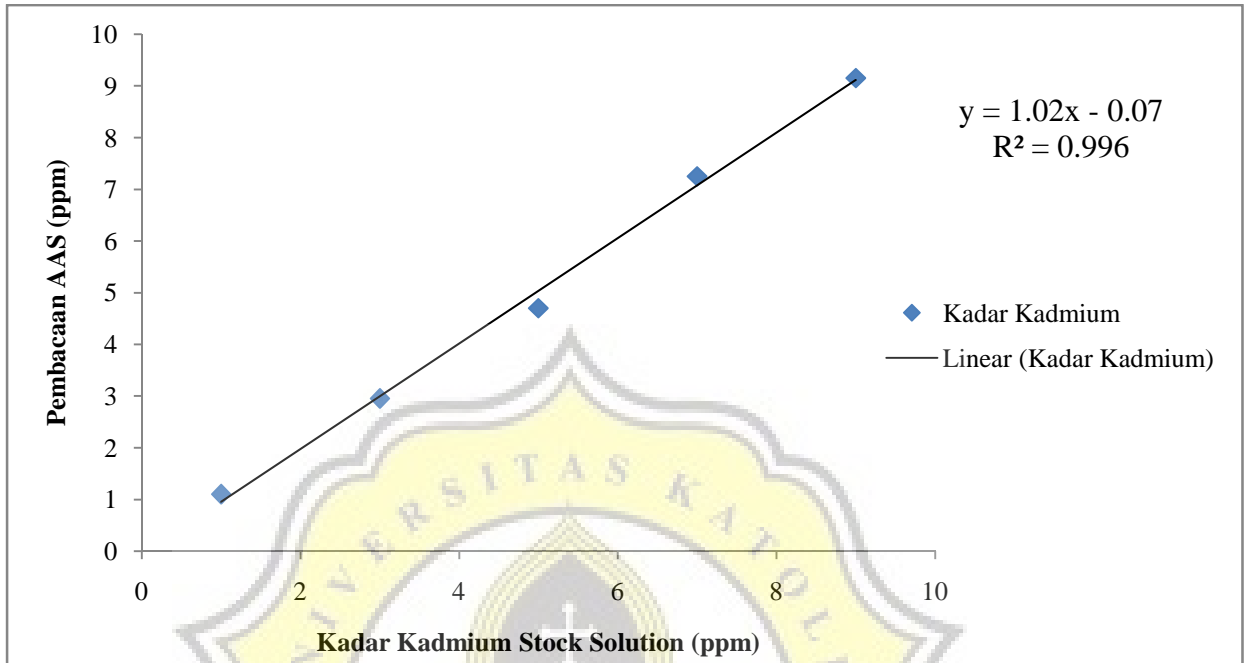


7. LAMPIRAN

7.1. Kurva Standar Kadmium



7.2. Uji Penyerapan Logam Berat

Biskuit Kedelai Hitam Proporsi 10%

Perlakuan Suhu	Ulangan	Tabung Kosong	Tabung + Sampel	Tabung + Endapan	Fraksi Soluble	Cawan Kosong	Cawan + Endapan	Fraksi Insoluble	Fraksi Insoluble Kering	Penyerapan Logam	
										Soluble	Insoluble
160°C	1	5.562	14.302	8.492	5.81	25.865	26.93	2.930	1.065	2.500	5.500
	2	5.622	14.468	8.622	5.846	17.646	18.69	3.000	1.044	2.500	5.500
	3	5.583	14.38	8.773	5.607	24.137	25.227	3.190	1.09	2.600	5.700
	4	5.601	14.275	8.494	5.781	25.863	26.935	2.893	1.072	2.600	5.600
	5	5.576	14.415	8.921	5.494	23.664	24.716	3.345	1.052	2.500	5.600
	6	5.58	14.351	8.532	5.819	22.549	23.609	2.952	1.06	2.700	5.500
	7	5.564	14.372	8.943	5.429	27.112	28.173	3.379	1.061	2.600	5.500
	8	5.598	14.171	8.871	5.3	23.234	24.316	3.273	1.082	2.700	5.700
	9	5.607	14.043	8.713	5.33	20.395	21.506	3.106	1.111	2.500	5.400
	10	5.577	14.018	8.618	5.4	24.952	26.06	3.041	1.108	2.500	5.500
Rata-rata					5.582			3.111	1.075		
StDev					0.217			0.177	0.023		
170°C	1	5.547	14.672	8.625	6.047	24.933	26.035	3.078	1.102	2.800	5.900
	2	5.623	14.054	8.58	5.474	24.132	25.249	2.957	1.117	2.600	5.800
	3	5.556	14.512	8.427	6.085	24.678	25.793	2.871	1.115	2.700	5.900
	4	5.583	14.405	8.332	6.073	22.721	23.794	2.749	1.073	2.700	5.700
	5	5.573	14.245	8.652	5.593	22.286	23.379	3.079	1.093	2.500	6.000
	6	5.591	14.156	8.213	5.943	22.007	23.105	2.622	1.098	2.700	6.000
	7	5.625	14.063	8.554	5.509	25.27	26.385	2.929	1.115	2.600	5.800
	8	5.58	14.606	8.507	6.099	22.435	23.556	2.927	1.121	2.800	5.900
	9	5.626	15.074	8.609	6.465	22.631	23.735	2.983	1.104	2.700	5.700
	10	5.578	14.893	8.796	6.097	24.206	25.25	3.218	1.044	2.900	5.800
Rata-rata					5.939			2.941	1.098		
StDev					0.316			0.170	0.024		
180°C	1	5.544	15.047	9.06	5.987	25.967	27.079	3.516	1.112	3.300	5.600
	2	5.558	15.069	8.871	6.198	17.445	18.497	3.313	1.052	2.800	5.900
	3	5.555	15.009	8.861	6.148	24.137	25.195	3.306	1.058	3.000	5.800

	4	5.599	14.993	8.882	6.111	25.963	27.145	3.283	1.182	2.800	5.700
	5	5.571	15.141	8.911	6.23	23.665	24.76	3.340	1.095	3.200	5.800
	6	5.607	15.46	8.782	6.678	23.549	24.603	3.175	1.054	2.900	5.600
	7	5.564	14.432	9.293	5.139	27.112	28.165	3.729	1.053	3.100	5.800
	8	5.555	15.266	9.26	6.006	23.234	24.354	3.705	1.12	2.800	5.900
	9	5.577	14.878	8.527	6.351	20.495	21.57	2.950	1.075	3.000	5.800
	10	5.571	14.457	8.693	5.764	24.953	26.112	3.122	1.159	3.200	5.700
Rata-rata					6.061			3.344	1.096		
StDev					0.404			0.247	0.047		

Perlakuan Suhu	Penyerapan Logam						Total Cd	Total Koreksi
	Soluble			Insoluble				
	AAS	Kadar Cd	Koreksi	AAS	Kadar Cd	Koreksi		
160°C	2.500	14.525	14.639	5.500	58.575	58.157	73.100	72.796
	2.500	14.615	14.730	5.500	57.420	57.011	72.035	71.740
	2.600	14.578	14.677	5.700	62.130	61.660	76.708	76.337
	2.600	15.031	15.133	5.600	60.032	59.591	75.063	74.723
	2.500	13.735	13.843	5.600	58.912	58.479	72.647	72.322
	2.700	15.711	15.803	5.500	58.300	57.884	74.011	73.687
	2.600	14.115	14.211	5.500	58.355	57.939	72.470	72.150
	2.700	14.310	14.393	5.700	61.674	61.207	75.984	75.600
	2.500	13.325	13.430	5.400	59.994	59.580	73.319	73.010
	2.500	13.500	13.606	5.500	60.940	60.505	74.440	74.111
Rata-rata		14.345	14.446		59.633	59.201	73.978	73.648
Stdev		0.721	0.718		1.576	1.556	1.560	1.534
170°C	2.800	16.932	17.015	5.900	65.018	64.499	81.950	81.514
	2.600	14.232	14.329	5.800	64.786	64.282	79.018	78.611
	2.700	16.430	16.525	5.900	65.785	65.260	82.214	81.785
	2.700	16.397	16.492	5.700	61.161	60.698	77.558	77.191

	2.500	13.983	14.092	6.000	65.580	65.044	79.563	79.136
	2.700	16.046	16.139	6.000	65.880	65.342	81.926	81.481
	2.600	14.323	14.421	5.800	64.670	64.167	78.993	78.588
	2.800	17.077	17.161	5.900	66.139	65.611	83.216	82.772
	2.700	17.456	17.557	5.700	62.928	62.452	80.384	80.009
	2.900	17.681	17.753	5.800	60.552	60.081	78.233	77.834
Rata-rata		16.056	16.148		64.250	63.744	80.306	79.892
Stdev		1.386	1.379		2.010	1.984	1.921	1.900
180°C	3.300	19.757	19.781	5.600	62.272	61.814	82.029	81.595
	2.800	17.354	17.439	5.900	62.068	61.573	79.422	79.012
	3.000	18.444	18.504	5.800	61.364	60.887	79.808	79.391
	2.800	17.111	17.195	5.700	67.374	66.864	84.485	84.059
	3.200	19.936	19.973	5.800	63.510	63.016	83.446	82.989
	2.900	19.366	19.445	5.600	59.024	58.590	78.390	78.035
	3.100	15.931	15.971	5.800	61.074	60.599	77.005	76.570
	2.800	16.817	16.899	5.900	66.080	65.553	82.897	82.452
	3.000	19.053	19.115	5.800	62.350	61.865	81.403	80.980
	3.200	18.445	18.479	5.700	66.063	65.563	84.508	84.042
Rata-rata		18.221	18.280		63.118	62.632	81.339	80.913
Stdev		1.358	1.349		2.628	2.605	2.599	2.580

Biskuit Kedelai Hitam Proporsi 15%

Perlakuan Suhu	Ulangan	Tabung Kosong	Tabung + Sampel	Tabung + Endapan	Fraksi Soluble	Cawan Kosong	Cawan + Endapan	Fraksi Insoluble	Fraksi Insoluble Kering	Penyerapan Logam	
										Soluble	Insoluble
160°C	1	5.578	14.968	8.891	6.077	26.432	27.471	3.313	1.039	2.800	5.700
	2	5.629	15.001	8.842	6.159	23.436	24.485	3.213	1.049	2.800	5.600
	3	5.607	15.038	9.095	5.943	20.169	21.307	3.488	1.138	2.600	5.800
	4	5.628	15.056	9.028	6.028	22.041	23.215	3.4	1.174	2.900	5.700
	5	5.587	14.751	9.103	5.648	21.652	22.771	3.516	1.119	3.000	5.800
	6	5.661	14.847	8.997	5.850	22.534	23.635	3.336	1.101	2.800	5.800
	7	5.569	14.804	8.742	6.062	21.141	22.32	3.173	1.179	2.600	6.100
	8	5.591	14.677	8.639	6.038	24.904	26.046	3.048	1.142	2.900	5.800
	9	5.618	15.337	9.043	6.294	23.308	24.415	3.425	1.107	2.900	5.600
	10	5.599	14.831	9.168	5.663	23.474	24.557	3.569	1.083	2.700	5.700
Rata-rata					5.976			3.348	1.113		
StDev					0.206			0.165	0.047		
170°C	1	5.579	14.600	8.450	6.150	23.749	24.853	2.871	1.104	3.200	6.200
	2	5.625	14.160	8.391	5.769	22.519	23.605	2.766	1.086	2.900	6.300
	3	5.603	14.370	8.601	5.769	22.713	23.892	2.998	1.179	3.200	6.000
	4	5.617	14.097	8.820	5.277	25.719	26.645	3.203	0.926	2.900	6.200
	5	5.572	14.426	8.362	6.064	24.714	25.889	2.79	1.175	3.100	6.000
	6	5.655	14.220	8.799	5.421	24.731	25.889	3.144	1.158	3.300	5.900
	7	5.571	14.545	8.379	6.166	21.886	23.028	2.808	1.142	3.000	6.200
	8	5.587	14.874	8.685	6.189	20.833	21.983	3.098	1.15	3.200	6.300
	9	5.639	14.605	8.656	5.949	22.086	23.145	3.017	1.059	3.200	5.900
	10	5.572	14.017	8.517	5.500	21.816	22.949	2.945	1.133	3.300	6.300
Rata-rata					5.825			2.964	1.111		
StDev					0.334			0.154	0.076		
180°C	1	5.625	15.043	9.176	5.867	25.869	26.914	3.551	1.045	3.300	6.200
	2	5.563	15.094	9.223	5.871	17.844	18.964	3.66	1.12	3.600	6.500
	3	5.579	15.373	9.506	5.867	24.133	25.218	3.927	1.085	3.000	6.400
	4	5.544	15.014	8.788	6.226	25.96	27.046	3.244	1.086	3.400	6.300
	5	5.589	16.13	9.878	6.252	23.66	24.787	4.289	1.127	3.300	6.600

	6	5.597	15.268	9.453	5.815	22.347	23.433	3.856	1.086	3.600	6.500
	7	5.575	15.292	8.812	6.48	27.11	28.3	3.237	1.19	3.400	6.400
	8	5.556	14.551	8.627	5.924	23.231	24.404	3.071	1.173	3.500	6.500
	9	5.606	14.876	9.47	5.406	20.392	21.41	3.864	1.018	3.300	6.600
	10	5.572	15.051	8.985	6.066	24.951	26.133	3.413	1.182	3.600	6.500
Rata-rata					5.977			3.611	1.111		
StDev					0.296			0.379	0.058		

Perlakuan Suhu	Penyerapan Logam						Total Cd	Total Koreksi
	Soluble			Insoluble				
	AAS	Kadar Cd	Koreksi	AAS	Kadar Cd	Koreksi		
160°C	2.800	17.016	17.099	5.700	59.223	58.775	76.239	75.874
	2.800	17.245	17.330	5.600	58.744	58.312	75.989	75.642
	2.600	15.452	15.557	5.800	66.004	65.491	81.456	81.047
	2.900	17.481	17.552	5.700	66.918	66.412	84.399	83.964
	3.000	16.944	16.999	5.800	64.902	64.397	81.846	81.397
	2.800	16.380	16.460	5.800	63.858	63.361	80.238	79.822
	2.600	15.761	15.868	6.100	71.919	71.318	87.680	87.186
	2.900	17.510	17.581	5.800	66.236	65.721	83.746	83.302
	2.900	18.253	18.327	5.600	61.992	61.536	80.245	79.863
	2.700	15.290	15.379	5.700	61.731	61.264	77.021	76.643
Rata-rata		16.733	16.815		64.153	63.659	80.886	80.474
Stdev		0.980	0.970		3.951	3.904	3.790	3.748
170°C	3.200	19.680	19.716	6.200	68.448	67.864	88.128	87.580
	2.900	16.730	16.798	6.300	68.418	67.822	85.148	84.620
	3.200	18.461	18.495	6.000	70.740	70.162	89.201	88.657
	2.900	15.303	15.365	6.200	57.412	56.922	72.715	72.287
	3.100	18.798	18.846	6.000	70.500	69.924	89.298	88.770

	3.300	17.889	17.911	5.900	68.322	67.777	86.211	85.688
	3.000	18.498	18.558	6.200	70.804	70.199	89.302	88.758
	3.200	19.805	19.841	6.300	72.450	71.819	92.255	91.660
	3.200	19.037	19.072	5.900	62.481	61.983	81.518	81.054
	3.300	18.150	18.172	6.300	71.379	70.757	89.529	88.929
Rata-rata		18.235	18.277		68.095	67.523	86.331	85.800
Stdev		1.359	1.350		4.664	4.621	5.621	5.573
180°C	3.300	19.361	19.384	6.200	64.790	64.237	84.151	83.621
	3.600	21.136	21.124	6.500	72.800	72.141	93.936	93.265
	3.000	17.601	17.659	6.400	69.440	68.823	87.041	86.482
	3.400	21.168	21.181	6.300	68.418	67.822	89.586	89.002
	3.300	20.632	20.656	6.600	74.382	73.697	95.014	94.353
	3.600	20.934	20.923	6.500	70.590	69.951	91.524	90.874
	3.400	22.032	22.045	6.400	76.160	75.483	98.192	97.528
	3.500	20.734	20.734	6.500	76.245	75.555	96.979	96.289
	3.300	17.840	17.861	6.600	67.188	66.569	85.028	84.430
3.600	21.838	21.826	6.500	76.830	76.135	98.668	97.960	
Rata-rata		20.328	20.339		71.684	71.041	92.012	91.380
Stdev		1.554	1.538		4.223	4.178	5.388	5.333

Biskuit Kedelai Hitam Proporsi 20%

Perlakuan Suhu	Ulangan	Tabung Kosong	Tabung + Sampel	Tabung + Endapan	Fraksi Soluble	Cawan Kosong	Cawan + Endapan	Fraksi Insoluble	Fraksi Insoluble Kering	Penyerapan Logam	
										Soluble	Insoluble
160°C	1	5.578	14.807	8.993	5.814	26.43	27.448	3.415	1.018	3.400	7.300
	2	5.62	14.851	9.337	5.514	23.434	24.479	3.717	1.045	3.500	6.700
	3	5.575	15.605	9.643	5.962	20.164	21.244	4.068	1.08	3.000	6.900
	4	5.635	15.032	9.58	5.452	22.038	23.122	3.945	1.084	3.300	6.900
	5	5.593	14.892	9.095	5.797	21.649	22.648	3.502	0.999	3.500	6.700
	6	5.584	15.952	9.967	5.985	22.532	23.549	4.383	1.017	3.500	6.900
	7	5.614	14.822	9.105	5.717	21.139	22.182	3.491	1.043	3.200	6.800
	8	5.569	14.599	9.446	5.153	24.903	25.97	3.877	1.067	3.100	7.100
	9	5.572	15.356	9.56	5.796	23.307	24.329	3.988	1.022	2.900	7.200
	10	5.598	14.5	8.853	5.647	23.471	24.541	3.255	1.07	3.600	6.800
Rata-rata					5.684			3.764	1.045		
StDev					0.253			0.349	0.030		
170°C	1	5.591	14.822	9.123	5.699	25.865	26.887	3.532	1.022	3.600	7.300
	2	5.565	15.174	9.582	5.592	17.644	18.691	4.017	1.047	3.600	7.500
	3	5.574	15.258	9.478	5.780	24.236	25.296	3.904	1.060	3.400	7.300
	4	5.653	15.216	9.299	5.917	25.961	26.987	3.646	1.026	3.300	7.200
	5	5.624	16.130	9.982	6.148	23.856	24.935	4.358	1.079	3.300	7.200
	6	5.606	14.893	9.023	5.870	22.69	23.764	3.417	1.074	3.500	7.100
	7	5.617	14.784	8.935	5.849	27.312	28.286	3.318	0.974	3.700	7.200
	8	5.559	14.238	8.657	5.581	23.234	24.401	3.098	1.167	3.500	7.000
	9	5.58	15.507	9.843	5.664	20.597	21.635	4.263	1.038	3.400	7.300
	10	5.588	14.659	8.966	5.693	24.95	26.036	3.378	1.086	3.500	7.400
Rata-rata					5.779			3.693	1.057		
StDev					0.173			0.424	0.051		
180°C	1	5.629	15.609	9.827	5.782	24.109	25.172	4.198	1.063	4.100	7.200
	2	5.568	15.552	9.658	5.894	22.782	23.801	4.09	1.019	3.800	7.500
	3	5.621	15.464	9.853	5.611	23.021	24.041	4.232	1.020	3.900	7.300
	4	5.602	15.85	9.993	5.857	25.965	27.041	4.391	1.076	3.700	7.400
	5	5.608	15.443	9.661	5.782	24.923	25.961	4.053	1.038	3.800	7.200
	6	5.686	15.77	9.904	5.866	24.837	25.893	4.218	1.056	4.000	7.300

	7	5.644	15.416	9.652	5.764	21.894	22.956	4.008	1.062	3.900	7.000
	8	5.592	15.168	9.553	5.615	20.997	22.026	3.961	1.029	3.700	7.400
	9	5.592	15.476	9.952	5.524	21.892	22.896	4.36	1.004	4.100	7.300
	10	5.573	15.337	9.631	5.706	21.821	22.858	4.058	1.037	4.000	7.400
Rata-rata					5.740			4.157	1.040		
StDev					0.124			0.146	0.023		

Perlakuan Suhu	Penyerapan Logam						Total Cd	Total Koreksi
	Soluble			Insoluble				
	AAS	Kadar Cd	Koreksi	AAS	Kadar Cd	Koreksi		
160°C	3.400	19.768	19.779	7.300	74.314	73.555	94.082	93.334
	3.500	19.299	19.299	6.700	70.015	69.359	89.314	88.658
	3.000	17.886	17.944	6.900	74.520	73.800	92.406	91.744
	3.300	17.992	18.013	6.900	74.796	74.073	92.788	92.086
	3.500	20.290	20.290	6.700	66.933	66.306	87.222	86.596
	3.500	20.948	20.948	6.900	70.173	69.495	91.121	90.443
	3.200	18.294	18.328	6.800	70.924	70.249	89.218	88.577
	3.100	15.974	16.015	7.100	75.757	75.004	91.731	91.019
	2.900	16.808	16.877	7.200	73.584	72.843	90.392	89.719
	3.600	20.329	20.318	6.800	72.760	72.068	93.089	92.386
Rata-rata		18.759	18.781		72.378	71.675	91.136	90.456
Stdev		1.634	1.611		2.777	2.736	2.110	2.078
170°C	3.600	20.516	20.505	7.500	74.606	73.845	95.122	94.350
	3.600	20.131	20.120	7.400	78.525	77.704	98.656	97.824
	3.400	19.652	19.663	7.200	77.380	76.590	97.032	96.254
	3.300	19.526	19.549	7.000	73.872	73.128	93.398	92.677
	3.300	20.288	20.313	7.000	77.688	76.905	97.976	97.218
	3.500	20.545	20.545	6.800	76.254	75.496	96.799	96.041

	3.700	21.641	21.618	7.100	70.128	69.421	91.769	91.040
	3.500	19.534	19.534	6.800	81.690	80.889	101.224	100.423
	3.400	19.258	19.269	7.200	75.774	75.001	95.032	94.269
	3.500	19.926	19.926	7.200	80.364	79.534	100.290	99.459
Rata-rata		20.102	20.104		76.628	75.885	96.730	95.989
Stdev		0.697	0.687		3.328	3.294	2.970	2.939
180°C	4.100	23.706	23.638	7.200	76.536	75.765	100.242	99.403
	3.800	22.397	22.363	7.500	76.425	75.626	98.822	97.988
	3.900	21.883	21.839	7.300	74.460	73.700	96.343	95.539
	3.700	21.671	21.648	7.200	79.624	78.801	101.295	100.449
	3.800	21.972	21.938	7.200	74.736	73.983	96.708	95.921
	4.000	23.464	23.406	7.100	77.088	76.301	100.552	99.708
	3.900	22.480	22.434	6.800	74.340	73.611	96.820	96.046
	3.700	20.776	20.753	7.400	76.146	75.359	96.922	96.113
	4.100	22.648	22.583	6.900	73.292	72.544	95.940	95.127
	4.000	22.824	22.768	7.300	76.738	75.945	99.562	98.713
Rata-rata		22.382	22.386		75.939	75.086	98.321	97.472
Stdev		0.863	0.849		1.807	1.781	1.992	1.970

7.3. Uji Kadar Serat Pangan

7.3.1. Uji Serat Tidak Larut

Biskuit Kedelai Hitam Proporsi 10%

Perlakuan Suhu	Berat Kering	Berat Setelah diAbukan	ADF (%)
160°C	29.973	29.836	13.700
	30.15	30.026	12.400
	29.854	29.718	13.600
	28.552	28.44	11.200
	29.513	29.384	12.900
Rata-rata			12.760
StDev			1.021
170°C	29.335	29.202	13.300
	29.982	29.831	15.100
	29.985	29.853	13.200
	29.914	29.786	12.800
	29.672	29.537	13.500
Rata-rata			13.580
StDev			0.887
180°C	30.683	30.564	11.900
	30.743	30.593	15.000
	31.655	31.523	13.200
	29.902	29.745	15.700
	30.032	29.886	14.600
Rata-rata			14.080
StDev			1.522

Biskuit Kedelai Hitam Proporsi 15%

Perlakuan Suhu	Berat Kering	Berat Setelah diAbukan	ADF (%)
160°C	29.143	28.996	14.700
	29.933	29.799	13.400
	30.315	30.187	12.800
	28.217	28.084	13.300
	30.205	30.067	13.800
Rata-rata			13.600
StDev			0.711
170°C	29.986	29.861	12.500
	29.984	29.851	13.300
	23.494	23.340	15.400
	30.135	29.973	16.200
	30.369	30.235	13.400
Rata-rata			14.160
StDev			1.563
180°C	31.357	31.202	15.500
	23.315	23.172	14.300
	30.009	29.874	13.500
	28.754	28.599	15.500
	29.125	28.986	13.900
Rata-rata			14.540
StDev			0.921

Biskuit Kedelai Hitam Proporsi 20%

Perlakuan Suhu	Berat Kering	Berat Setelah diAbukan	ADF (%)
160°C	29.409	29.279	13.000
	30.091	29.954	13.700
	29.245	29.118	12.700
	30.402	30.234	16.800
	28.657	28.508	14.900
Rata-rata			14.220
StDev			1.672
170°C	29.985	29.847	13.800
	31.660	31.514	14.600
	23.543	23.356	18.700
	28.596	28.459	13.700
	30.574	30.435	13.900
Rata-rata			14.940
StDev			2.131
180°C	23.394	23.255	13.900
	28.733	28.559	17.400
	30.649	30.483	16.600
	28.440	28.305	13.500
	29.242	29.094	14.800
Rata-rata			15.240
StDev			1.698

7.3.2. Uji Total Serat Pangan

Biskuit Kedelai Hitam Proporsi 10%

Perlakuan Suhu	Ulangan	Fritted kosong	Fritted + sampel kering	Fritted + abu	Berat Abu	SK1	% Abu	SK2	Residu	Vol. Titirasi	% Protein	% TDF	Blanko	%Serat Larut
160°C	1	30.061	30.265	30.116	0.055	0.204	26.961	0.195	0.399	3.15	10.101	25.112	0.9	11.412
	2	28.996	29.185	29.059	0.063	0.189	33.333	0.206	0.395	3.24	9.944	22.405		10.005
	3	30.187	30.405	30.234	0.047	0.218	21.560	0.214	0.432	3.08	8.918	30.034		16.434
	4	30.067	30.264	30.108	0.041	0.197	20.812	0.187	0.384	3.22	10.861	26.237		15.037
	5	29.851	30.057	29.898	0.047	0.206	22.816	0.203	0.409	3.04	9.229	13.795		0.895
Rata-rata												23.517		10.757
StDev												2.681		6.099
170°C	1	29.853	30.079	29.919	0.066	0.226	29.204	0.205	0.431	3.600	11.530	25.544		12.244
	2	29.558	29.782	29.615	0.057	0.224	25.446	0.214	0.438	3.050	8.795	28.802		13.702
	3	31.202	31.417	31.264	0.062	0.215	28.837	0.198	0.413	3.480	11.407	24.679		11.479
	4	29.850	30.058	29.911	0.061	0.208	29.327	0.193	0.401	3.640	12.428	23.356		10.556
	5	28.986	29.199	29.044	0.058	0.213	27.230	0.204	0.417	3.810	12.488	25.138		11.638
Rata-rata												25.504		11.924
StDev												2.0191		1.164
180°C	1	29.568	29.781	29.63	0.062	0.213	29.108	0.195	0.408	3.260	10.595	24.601		12.701
	2	30.147	30.412	30.245	0.098	0.265	36.981	0.217	0.482	3.300	9.682	25.708		10.708
	3	30.172	30.407	30.233	0.061	0.235	25.957	0.183	0.418	3.240	11.194	26.271		13.071
	4	28.557	28.781	28.626	0.069	0.224	30.804	0.212	0.436	3.100	9.085	26.209		10.509
	5	31.497	31.735	31.56	0.063	0.238	26.471	0.178	0.416	3.210	11.361	25.862		11.262
Rata-rata												25.730		11.650
StDev												0.673		1.169

Biskuit Kedelai Hitam Proporsi 15%

Perlakuan Suhu	Ulangan	Fritted kosong	Fritted + sampel kering	Fritted + abu	Berat Abu	SK1	% Abu	SK2	Residu	Vol. Titrasi	% Protein	% TDF	Blanko	% Serat Larut
160°C	1	29.203	29.429	29.259	0.056	0.226	24.77876	0.22	0.442	4.12	13.051	27.479	0.9	12.779
	2	29.365	29.599	29.432	0.067	0.234	28.63248	0.214	0.448	4.09	13.050	26.126		12.726
	3	29.334	29.565	29.385	0.051	0.231	22.07792	0.156	0.387	3.92	16.948	23.597		10.797
	4	30.651	30.875	30.715	0.064	0.224	28.57143	0.23	0.454	4.1	12.180	26.899		13.599
	5	29.063	29.271	29.124	0.061	0.208	29.32692	0.221	0.429	4.06	12.518	24.949		11.149
Rata-rata												25.810		12.210
StDev												1.558		1.188
170°C	1	30.564	30.812	30.628	0.064	0.248	25.806	0.205	0.453	4.300	14.519	27.032		14.532
	2	30.156	30.387	30.215	0.059	0.231	25.541	0.227	0.458	4.540	14.038	27.673		14.373
	3	29.064	29.296	29.125	0.061	0.232	26.293	0.205	0.437	4.220	14.178	26.014		10.614
	4	30.454	30.727	30.542	0.088	0.273	32.234	0.241	0.514	4.470	12.968	28.166		11.966
	5	30.113	30.367	30.179	0.066	0.254	25.984	0.234	0.488	4.040	11.747	30.387		16.987
Rata-rata												27.854		13.694
StDev												1.6283		2.474
180°C	1	30.158	30.368	30.212	0.054	0.21	25.714	0.295	0.505	4.400	10.387	32.269		16.769
	2	30.002	30.215	30.061	0.059	0.213	27.700	0.247	0.460	4.470	12.653	27.438		13.138
	3	29.346	29.571	29.41	0.064	0.225	28.444	0.251	0.476	4.560	12.765	27.984		14.484
	4	30.154	30.405	30.221	0.067	0.251	26.693	0.214	0.465	4.610	15.177	27.030		11.530
	5	30.147	30.376	30.212	0.065	0.229	28.384	0.244	0.473	4.570	13.167	27.646		13.746
Rata-rata												28.473		13.933
StDev												2.1498		1.923

Biskuit Kedelai Hitam Proporsi 20%

Perlakuan Suhu	Ulangan	Fritted kosong	Fritted + sampel kering	Fritted + abu	Berat Abu	SK1	% Abu	SK2	Residu	Vol. Titrasi	% Protein	% TDF	Blanko	% Serat Larut	
160°C	1	30.033	30.263	30.096	0.063	0.230	27.391	0.311	0.541	5.500	12.949	32.276	0.900	19.276	
	2	30.487	30.661	30.551	0.064	0.174	36.782	0.243	0.417	5.130	15.239	20.007		6.307	
	3	29.054	29.301	29.111	0.057	0.247	23.077	0.216	0.463	4.890	16.171	28.128		15.428	
	4	30.498	30.737	30.559	0.061	0.239	25.523	0.223	0.462	5.290	17.234	26.446		9.646	
	5	29.541	29.796	29.607	0.066	0.255	25.882	0.237	0.492	5.110	15.551	28.815		13.915	
Rata-rata														27.135	12.915
StDev														4.5143	5.053
170°C	1	30.041	30.255	30.097	0.056	0.214	26.168	0.289	0.503	5.930	15.237	29.473		15.673	
	2	30.146	30.332	30.200	0.054	0.186	29.032	0.274	0.460	5.880	15.911	25.326		10.726	
	3	30.461	30.677	30.503	0.042	0.216	19.444	0.243	0.459	6.100	18.734	28.376		9.676	
	4	29.168	29.441	29.248	0.080	0.273	29.304	0.266	0.539	5.890	16.423	29.253		15.553	
	5	29.036	29.304	29.094	0.058	0.268	21.642	0.253	0.521	5.710	16.644	32.153		18.253	
Rata-rata														28.916	13.976
StDev														2.4538	3.630
180°C	1	30.165	30.391	30.217	0.052	0.226	23.009	0.217	0.443	5.120	17.025	26.565		12.665	
	2	30.415	30.687	30.476	0.061	0.272	22.426	0.265	0.537	5.420	14.932	33.639		16.239	
	3	30.032	30.293	30.089	0.057	0.261	21.839	0.221	0.482	5.300	20.995	27.554		10.954	
	4	30.411	30.675	30.474	0.063	0.264	23.864	0.264	0.528	5.120	16.978	31.236		17.736	
	5	27.630	27.867	27.695	0.065	0.237	27.426	0.253	0.490	5.330	18.443	26.524		11.724	
Rata-rata														29.103	13.863
StDev														3.1862	2.963

7.4. Uji Normalitas Data (Kolmogorov-Smirnov)

7.4.1. Uji Normalitas Penyerapan Kadmium

Tests of Normality

proporsi	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
total_cd	0%	.263	30	.000	.756	30	.000
	10%	.108	30	.200*	.946	30	.133
	15%	.085	30	.200*	.982	30	.886
	20%	.113	30	.200*	.947	30	.136
soluble	0%	.100	30	.200*	.977	30	.731
	10%	.153	30	.070	.942	30	.106
	15%	.103	30	.200*	.962	30	.352
	20%	.107	30	.200*	.986	30	.955
insoluble	0%	.263	30	.000	.758	30	.000
	10%	.127	30	.200*	.948	30	.153
	15%	.095	30	.200*	.975	30	.684
	20%	.074	30	.200*	.989	30	.982

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality

suhu	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
total_cd	160 C	.327	40	.000	.763	40	.000
	170 C	.314	40	.000	.738	40	.000
	180 C	.298	40	.000	.720	40	.000
soluble	160 C	.293	40	.000	.753	40	.000
	170 C	.268	40	.000	.716	40	.000
	180 C	.293	40	.000	.716	40	.000
insoluble	160 C	.320	40	.000	.783	40	.000
	170 C	.284	40	.000	.781	40	.000
	180 C	.281	40	.000	.761	40	.000

a. Lilliefors Significance Correction

7.3.2. Uji Normalitas Kandungan Serat Pangan

Tests of Normality

proporsi	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
ADF	0%	.249	15	.013	.867	15	.031
	10%	.160	15	.200*	.971	15	.870
	15%	.171	15	.200*	.925	15	.229
	20%	.228	15	.034	.879	15	.046
Serat_Larut	0%	.162	15	.200*	.915	15	.163
	10%	.270	15	.004	.782	15	.002
	15%	.128	15	.200*	.942	15	.407
	20%	.157	15	.200*	.966	15	.793
TDF	0%	.114	15	.200*	.955	15	.603
	10%	.265	15	.006	.770	15	.002
	15%	.217	15	.057	.922	15	.209
	20%	.149	15	.200*	.942	15	.405

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Tests of Normality

suhu	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
ADF	160 C	.289	20	.000	.814	20	.001
	170 C	.290	20	.000	.825	20	.002
	180 C	.277	20	.000	.804	20	.001
Serat_Larut	160 C	.099	20	.200*	.986	20	.987
	170 C	.128	20	.200*	.958	20	.510
	180 C	.176	20	.107	.958	20	.509
TDF	160 C	.207	20	.024	.873	20	.013
	170 C	.268	20	.001	.793	20	.001
	180 C	.305	20	.000	.813	20	.001

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

7.5. Uji Post Hoc Duncan

7.5.1. Penyerapan Kadmium

total_cd

Duncan^{a,b}

proporsi	N	Subset			
		1	2	3	4
0%	30	22.35090			
10%	30		78.15073		
15%	30			85.88490	
20%	30				93.70717
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 12.561.

- a. Uses Harmonic Mean Sample Size = 30.000.
- b. Alpha = .05.

total_cd

Duncan^{a,b}

suhu	N	Subset		
		1	2	3
160 C	40	66.38900		
170 C	40		70.63233	
180 C	40			73.04895
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 12.561.

- a. Uses Harmonic Mean Sample Size = 40.000.
- b. Alpha = .05.

soluble

Duncan^{a,b}

proporsi	N	Subset			
		1	2	3	4
0%	30	.54217			
10%	30		16.29167		
15%	30			18.47730	
20%	30				20.42387
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.155.

- a. Uses Harmonic Mean Sample Size = 30.000.
- b. Alpha = .05.

solubleDuncan^{a,b}

suhu	N	Subset		
		1	2	3
160 C	40	12.64573		
170 C	40		13.77288	
180 C	40			15.38265
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.155.

a. Uses Harmonic Mean Sample Size = 40.000.

b. Alpha = .05.

insolubleDuncan^{a,b}

proporsi	N	Subset			
		1	2	3	4
0%	30	21.80863			
10%	30		62.33367		
15%	30			67.40763	
20%	30				74.21550
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 12.911.

a. Uses Harmonic Mean Sample Size = 30.000.

b. Alpha = .05.

insolubleDuncan^{a,b}

suhu	N	Subset	
		1	2
160 C	40	53.85128	
170 C	40		57.33788
180 C	40		58.13493
Sig.		1.000	.323

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 12.911.

a. Uses Harmonic Mean Sample Size = 40.000.

b. Alpha = .05.

7.5.2. Kandungan Serat Pangan

ADF

Duncan^{a,b}

proporsi	N	Subset		
		1	2	3
0%	15	5.7200		
10%	15		13.4733	
15%	15		14.1000	14.1000
20%	15			14.8000
Sig.		1.000	.178	.134

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.578.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

ADF

Duncan^{a,b}

suhu	N	Subset
		1
160 C	20	11.5800
170 C	20	12.0950
180 C	20	12.3950
Sig.		.057

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 1.578.

a. Uses Harmonic Mean Sample Size = 20.000.

b. Alpha = .05.

Serat Larut

Duncan^{a,b}

proporsi	N	Subset	
		1	2
0%	15	5.6491	
10%	15		11.4435
15%	15		13.2793
20%	15		13.5847
Sig.		1.000	.068

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 8.883.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

Serat_LarutDuncan^{a,b}

suhu	N	Subset
		1
160 C	20	10.4079
180 C	20	11.2609
170 C	20	11.2987
Sig.		.379

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 8.883.

a. Uses Harmonic Mean Sample Size = 20.000.

b. Alpha = .05.

TDFDuncan^{a,b}

proporsi	N	Subset		
		1	2	3
0%	15	11.3691		
10%	15		24.9169	
15%	15			27.3793
20%	15			28.3847
Sig.		1.000	1.000	.330

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 7.821.

a. Uses Harmonic Mean Sample Size = 15.000.

b. Alpha = .05.

TDFDuncan^{a,b}

suhu	N	Subset
		1
160 C	20	21.9879
170 C	20	23.3937
180 C	20	23.6559
Sig.		.080

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = 7.821.

a. Uses Harmonic Mean Sample Size = 20.000.

b. Alpha = .05.

7.6. Regresi dan Korelasi Penyerapan Kadmium dan Serat Pangan

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	567.727	1	567.727	1987.567	.000 ^a
	Residual	2.856	10	.286		
	Total	570.583	11			

a. Predictors: (Constant), total_serat

b. Dependent Variable: total_cd

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	6.024	.411		14.654	.000
	total_serat	.242	.005	.997	44.582	.000

a. Dependent Variable: total_cd

