

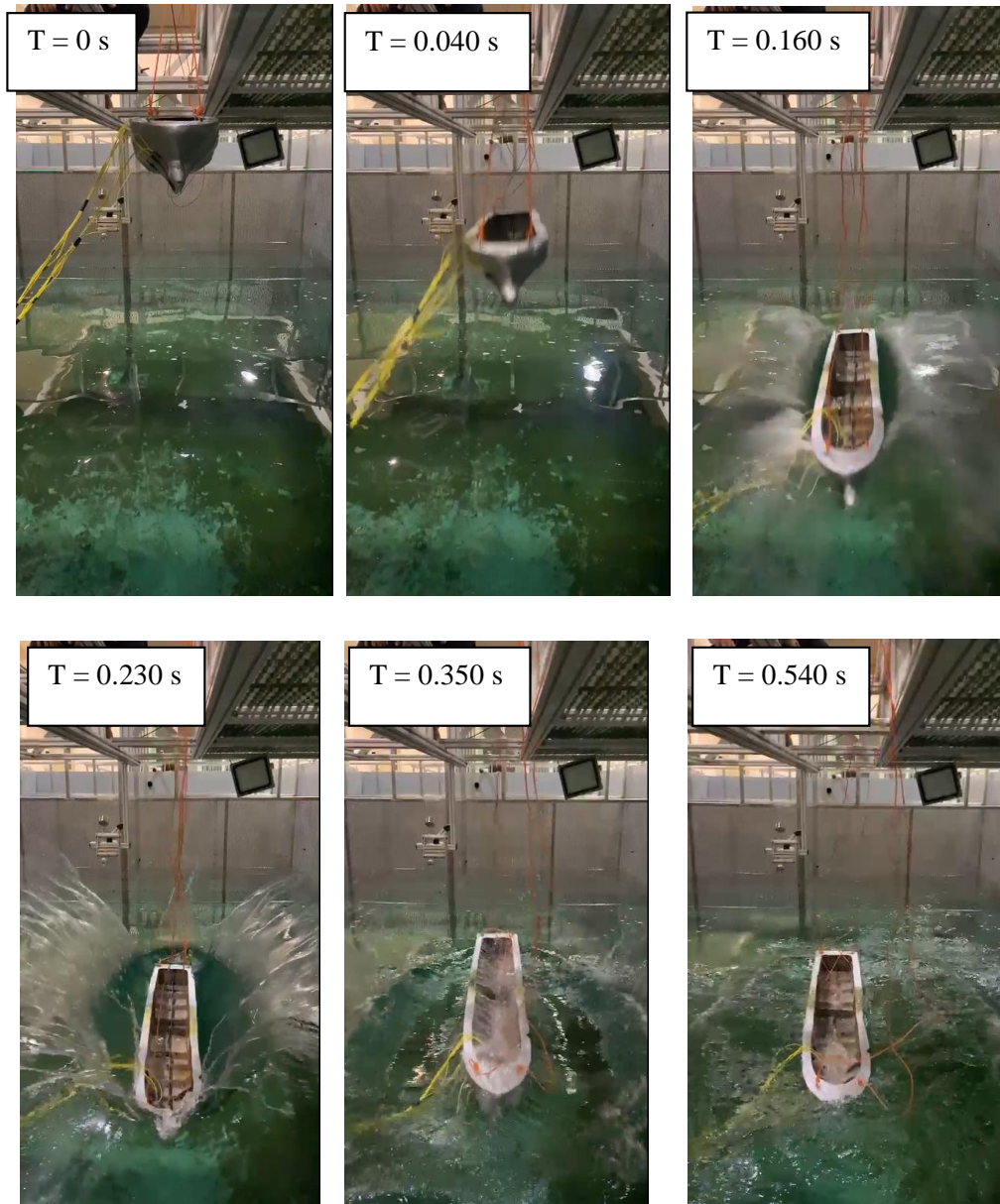
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## **LAMPIRAN**

**Lampiran 1. Data hasil pengujian *droptest* pada kemiringan 0°.**

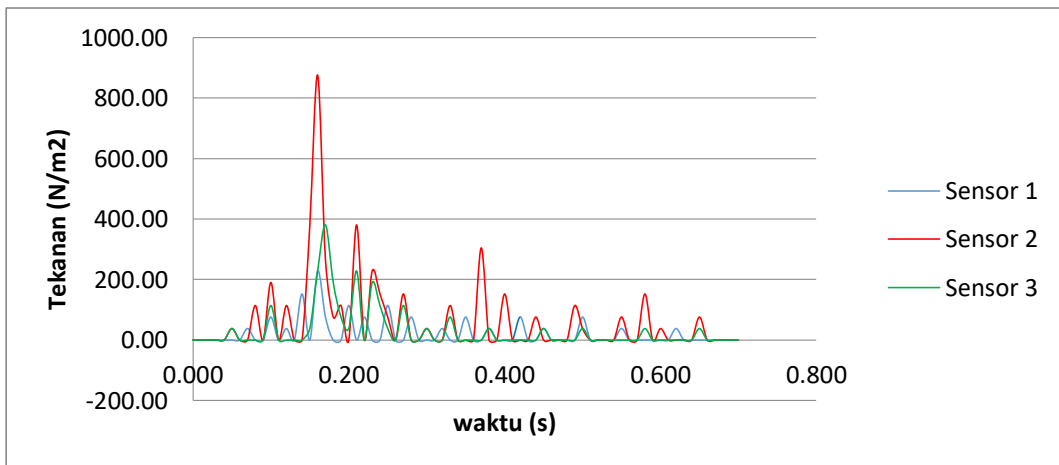
*Droptest* sudut kemiringan 0°.



Perhitungan tekanan di sudut kemiringan 0,88°.

Sudut 0.88°	Data Digital			Tegangan (v)			Tekanan(N/m2)		
	waktu	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	0	1	1	0.000	0.005	0.005	0.00	38.08	38.08
0.060	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.070	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.080	0	3	0	0.000	0.015	0.000	0.00	114.23	0.00
0.090	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.100	2	5	3	0.010	0.024	0.015	76.15	190.38	114.23
0.110	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.120	1	3	0	0.005	0.015	0.000	38.08	114.23	0.00
0.130	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.140	4	0	0	0.020	0.000	0.000	152.30	0.00	0.00
0.150	0	10	1	0.000	0.049	0.005	0.00	380.76	38.08
0.160	6	23	6	0.029	0.112	0.029	228.45	875.74	228.45
0.170	2	7	10	0.010	0.034	0.049	76.15	266.53	380.76
0.180	0	2	5	0.000	0.010	0.024	0.00	76.15	190.38
0.190	0	3	2	0.000	0.015	0.010	0.00	114.23	76.15
0.200	3	0	1	0.015	0.000	0.005	114.23	0.00	38.08
0.210	0	10	6	0.000	0.049	0.029	0.00	380.76	228.45
0.220	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.230	0	6	5	0.000	0.029	0.024	0.00	228.45	190.38
0.240	0	4	3	0.000	0.020	0.015	0.00	152.30	114.23
0.250	3	2	1	0.015	0.010	0.005	114.23	76.15	38.08
0.260	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.270	0	4	3	0.000	0.020	0.015	0.00	152.30	114.23
0.280	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.290	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.300	0	1	1	0.000	0.005	0.005	0.00	38.08	38.08
0.310	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.320	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.330	0	3	2	0.000	0.015	0.010	0.00	114.23	76.15
0.340	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.350	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	0	8	0	0.000	0.039	0.000	0.00	304.61	0.00
0.380	1	0	1	0.005	0.000	0.005	38.08	0.00	38.08
0.390	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.400	0	4	0	0.000	0.020	0.000	0.00	152.30	0.00
0.410	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.420	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.450	1	0	1	0.005	0.000	0.005	38.08	0.00	38.08

0.460	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.490	0	3	0	0.000	0.015	0.000	0.00	114.23	0.00
0.500	2	1	1	0.010	0.005	0.005	76.15	38.08	38.08
0.510	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	1	2	0	0.005	0.010	0.000	38.08	76.15	0.00
0.560	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.570	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.580	0	4	1	0.000	0.020	0.005	0.00	152.30	38.08
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.610	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.620	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.630	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.640	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.650	0	2	1	0.000	0.010	0.005	0.00	76.15	38.08
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.003	0.008	0.004	74.147	166.947	99.722

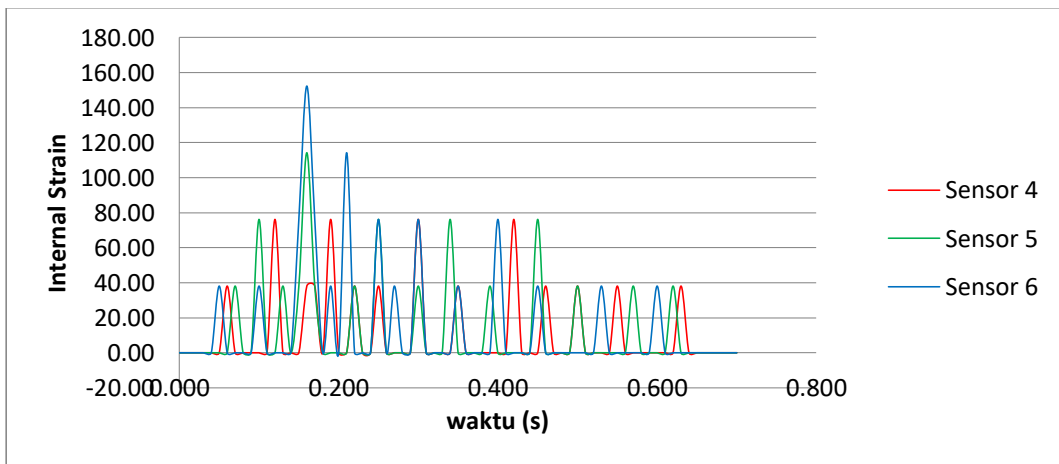


Grafik nilai tekanan per satuan waktu pada sudut kemiringan  $0,88^\circ$

Perhitungan internal strain di sudut kemiringan 0,88°.

Sudut 0.88°	Data Digital			Tegangan (v)			Internal Strain		
	waktu	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.060	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.070	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.080	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.090	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.100	0	2	1	0.000	0.010	0.005	0.00	76.15	38.08
0.110	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.120	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.130	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.140	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.150	0	1	2	0.000	0.005	0.010	0.00	38.08	76.15
0.160	1	3	4	0.005	0.015	0.020	38.08	114.23	152.30
0.170	1	1	2	0.005	0.005	0.010	38.08	38.08	76.15
0.180	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.190	2	0	1	0.010	0.000	0.005	76.15	0.00	38.08
0.200	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.210	0	0	3	0.000	0.000	0.015	0.00	0.00	114.23
0.220	1	1	0	0.005	0.005	0.000	38.08	38.08	0.00
0.230	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.240	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.250	1	2	2	0.005	0.010	0.010	38.08	76.15	76.15
0.260	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.270	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.280	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.290	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.300	2	1	2	0.010	0.005	0.010	76.15	38.08	76.15
0.310	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.320	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.330	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.340	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.350	1	0	1	0.005	0.000	0.005	38.08	0.00	38.08
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.380	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.390	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.400	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.410	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.420	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.450	0	2	1	0.000	0.010	0.005	0.00	76.15	38.08

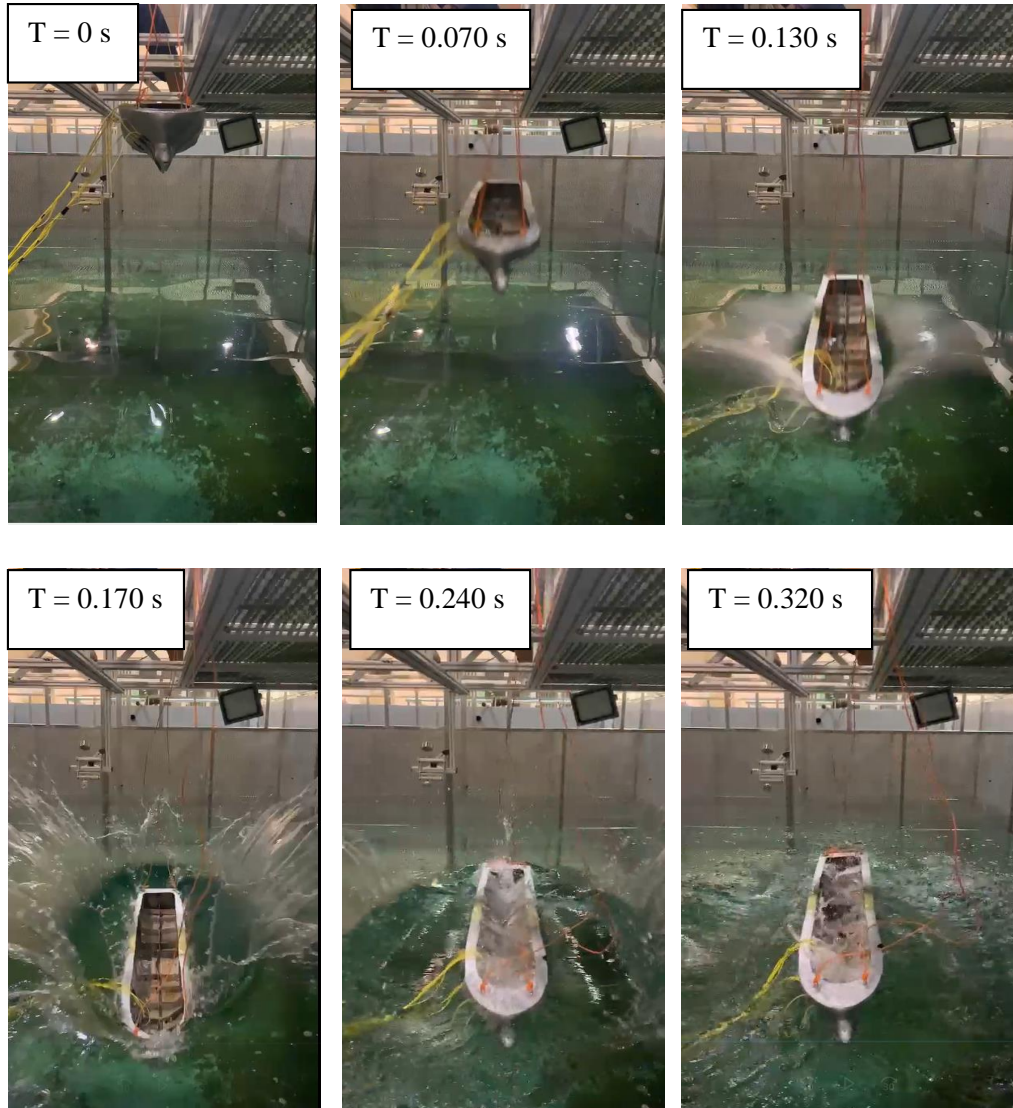
0.460	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.490	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.500	1	1	0	0.005	0.005	0.000	38.08	38.08	0.00
0.510	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.560	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.570	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.580	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.610	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.620	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.630	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.640	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.001	0.001	0.002	45.691	49.974	59.493



Grafik nilai internal strain per satuan waktu pada sudut kemiringan  $0,88^\circ$

**Lampiran 2. Data hasil pengujian *droptest* pada kemiringan 5°.**

*Droptest* sudut kemiringan 5°.

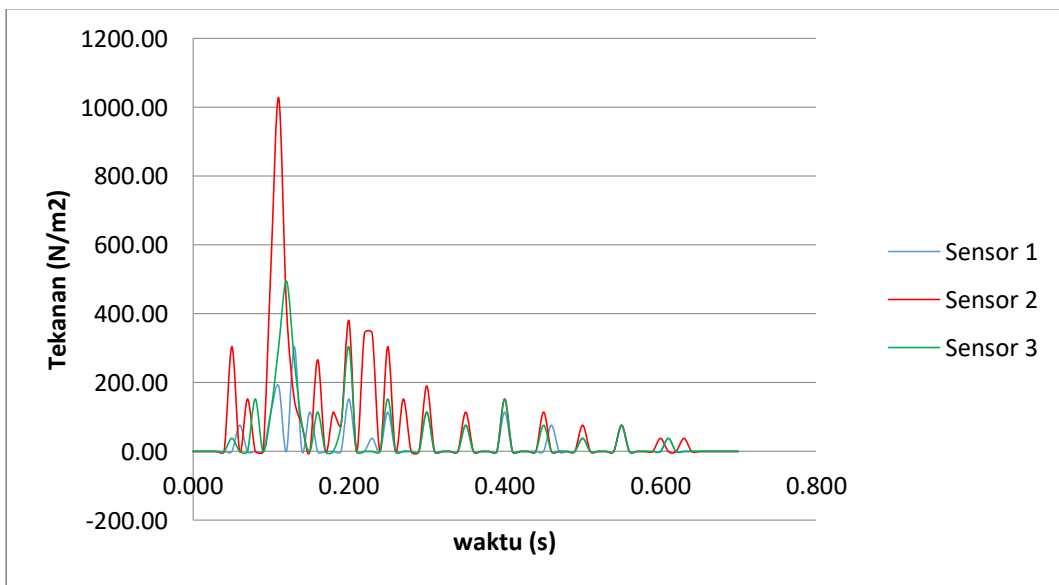




Perhitungan tekanan di sudut kemiringan 1,9°.

Sudut 1.9° waktu	Data Digital			Tegangan (v)			Tekanan(N/m2)		
	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2	sensor 3
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	0	8	1	0.000	0.039	0.005	0.00	304.61	38.08
0.060	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.070	0	4	0	0.000	0.020	0.000	0.00	152.30	0.00
0.080	0	0	4	0.000	0.000	0.020	0.00	0.00	152.30
0.090	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.100	3	14	3	0.015	0.068	0.015	114.23	533.06	114.23
0.110	5	27	8	0.024	0.132	0.039	190.38	1028.04	304.61
0.120	0	11	13	0.000	0.054	0.064	0.00	418.83	494.98
0.130	8	4	7	0.039	0.020	0.034	304.61	152.30	266.53
0.140	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.150	3	0	0	0.015	0.000	0.000	114.23	0.00	0.00
0.160	0	7	3	0.000	0.034	0.015	0.00	266.53	114.23
0.170	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.180	0	3	0	0.000	0.015	0.000	0.00	114.23	0.00
0.190	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.200	4	10	8	0.020	0.049	0.039	152.30	380.76	304.61
0.210	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.220	0	9	0	0.000	0.044	0.000	0.00	342.68	0.00
0.230	1	9	0	0.005	0.044	0.000	38.08	342.68	0.00
0.240	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.250	3	8	4	0.015	0.039	0.020	114.23	304.61	152.30
0.260	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.270	0	4	0	0.000	0.020	0.000	0.00	152.30	0.00
0.280	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.290	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.300	3	5	3	0.015	0.024	0.015	114.23	190.38	114.23
0.310	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.320	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.330	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.340	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.350	2	3	2	0.010	0.015	0.010	76.15	114.23	76.15
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.380	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.390	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.400	3	4	4	0.015	0.020	0.020	114.23	152.30	152.30
0.410	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.420	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.450	0	3	2	0.000	0.015	0.010	0.00	114.23	76.15

0.460	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.490	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.500	1	2	1	0.005	0.010	0.005	38.08	76.15	38.08
0.510	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	2	2	2	0.010	0.010	0.010	76.15	76.15	76.15
0.560	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.570	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.580	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.610	1	0	1	0.005	0.000	0.005	38.08	0.00	38.08
0.620	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.630	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.640	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.003	0.010	0.005	102.328	226.868	140.279

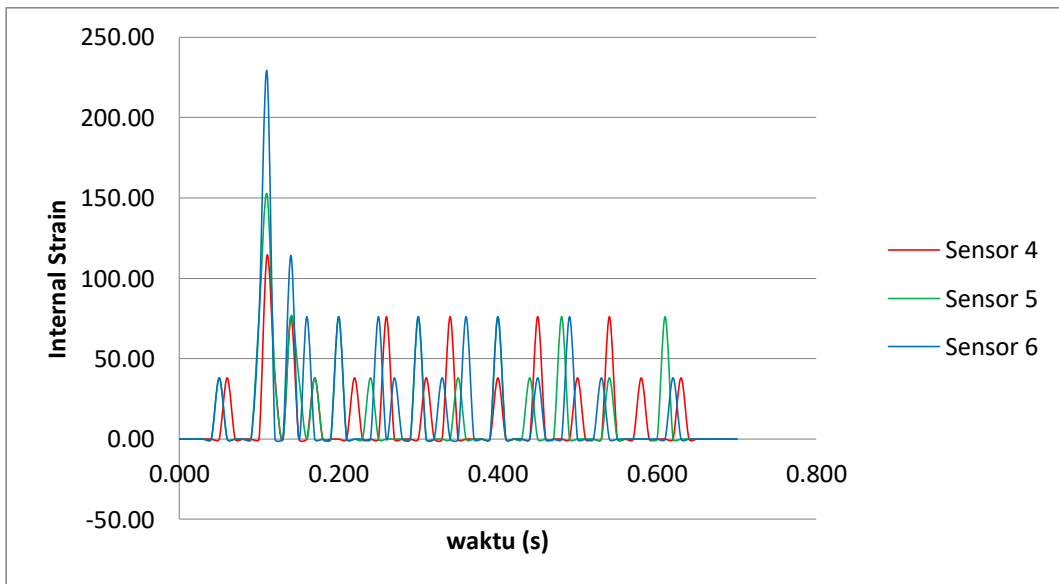


Grafik nilai tekanan per satuan waktu pada sudut kemiringan 1,9°

Perhitungan internal strain di sudut kemiringan 1,9°.

Sudut 1.9° waktu	Data Digital			Tegangan (v)			Internal Strain		
	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5	sensor 6
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	0	1	1	0.000	0.005	0.005	0.00	38.08	38.08
0.060	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.070	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.080	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.090	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.100	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.110	3	4	6	0.015	0.020	0.029	114.23	152.30	228.45
0.120	1	1	0	0.005	0.005	0.000	38.08	38.08	0.00
0.130	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.140	2	2	3	0.010	0.010	0.015	76.15	76.15	114.23
0.150	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.160	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.170	1	1	0	0.005	0.005	0.000	38.08	38.08	0.00
0.180	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.190	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.200	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.210	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.220	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.230	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.240	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.250	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.260	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.270	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.280	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.290	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.300	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.310	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.320	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.330	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.340	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.350	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.360	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.370	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.380	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.390	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.400	1	2	2	0.005	0.010	0.010	38.08	76.15	76.15
0.410	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.420	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.450	2	0	1	0.010	0.000	0.005	76.15	0.00	38.08

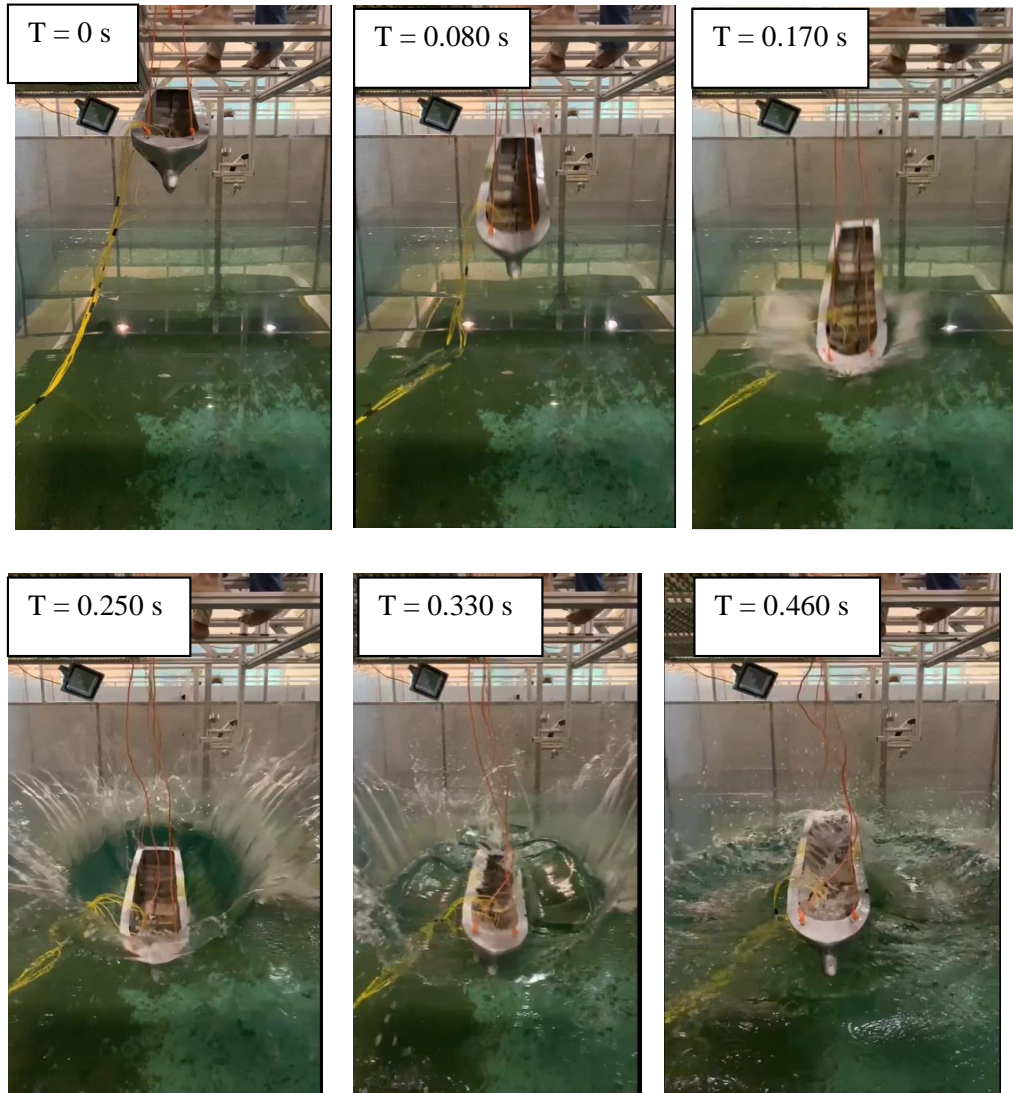
0.460	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.490	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.500	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.510	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.540	2	1	0	0.010	0.005	0.000	76.15	38.08	0.00
0.550	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.560	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.570	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.580	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.610	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.620	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.630	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.640	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.002	0.002	0.002	52.354	58.233	69.432



Grafik nilai internal strain per satuan waktu pada sudut kemiringan  $1,9^\circ$

**Lampiran 3. Data hasil pengujian *droptest* pada kemiringan 10°.**

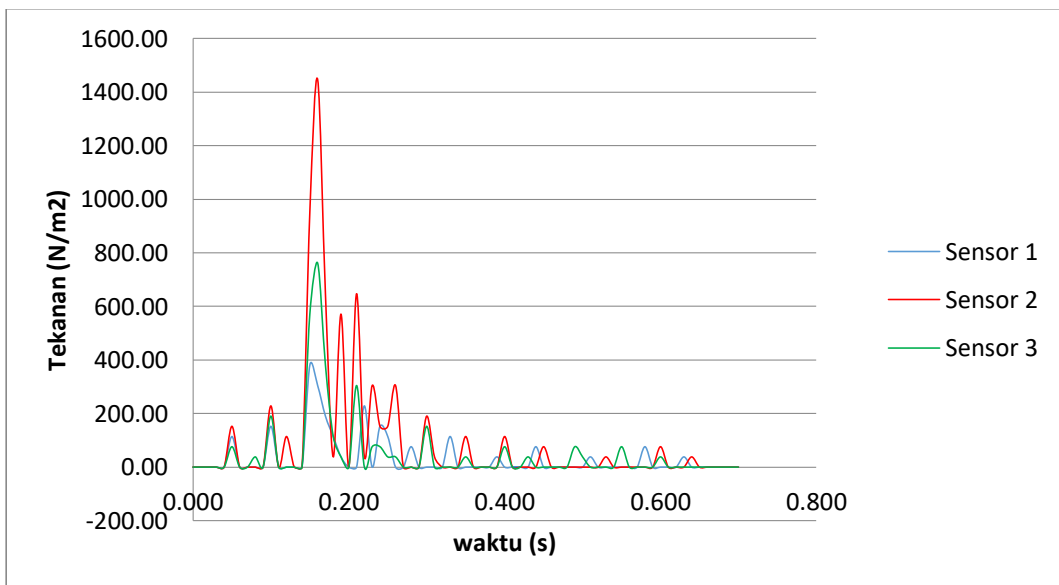
*Droptest* sudut kemiringan 10°



Perhitungan tekanan di sudut kemiringan 3,49°.

Sudut 3,49°	Data Digital			Tegangan (v)			Tekanan(N/m2)		
	waktu	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	3	4	2	0.015	0.020	0.010	114.23	152.30	76.15
0.060	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.070	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.080	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.090	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.100	4	6	5	0.020	0.029	0.024	152.30	228.45	190.38
0.110	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.120	0	3	0	0.000	0.015	0.000	0.00	114.23	0.00
0.130	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.140	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.150	10	25	15	0.049	0.122	0.073	380.76	951.89	571.14
0.160	8	38	20	0.039	0.186	0.098	304.61	1446.88	761.51
0.170	5	17	10	0.024	0.083	0.049	190.38	647.29	380.76
0.180	3	1	3	0.015	0.005	0.015	114.23	38.08	114.23
0.190	1	15	1	0.005	0.073	0.005	38.08	571.14	38.08
0.200	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.210	0	17	8	0.000	0.083	0.039	0.00	647.29	304.61
0.220	6	1	0	0.029	0.005	0.000	228.45	38.08	0.00
0.230	0	8	2	0.000	0.039	0.010	0.00	304.61	76.15
0.240	4	4	2	0.020	0.020	0.010	152.30	152.30	76.15
0.250	3	4	1	0.015	0.020	0.005	114.23	152.30	38.08
0.260	0	8	1	0.000	0.039	0.005	0.00	304.61	38.08
0.270	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.280	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.290	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.300	0	5	4	0.000	0.024	0.020	0.00	190.38	152.30
0.310	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.320	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.330	3	0	0	0.015	0.000	0.000	114.23	0.00	0.00
0.340	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.350	0	3	1	0.000	0.015	0.005	0.00	114.23	38.08
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.380	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.390	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.400	0	3	2	0.000	0.015	0.010	0.00	114.23	76.15
0.410	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.420	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.430	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.440	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.450	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00

0.460	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.490	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.500	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.510	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.560	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.570	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.580	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	2	1	0.000	0.010	0.005	0.00	76.15	38.08
0.610	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.620	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.630	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.640	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.004	0.012	0.006	124.804	292.491	164.327



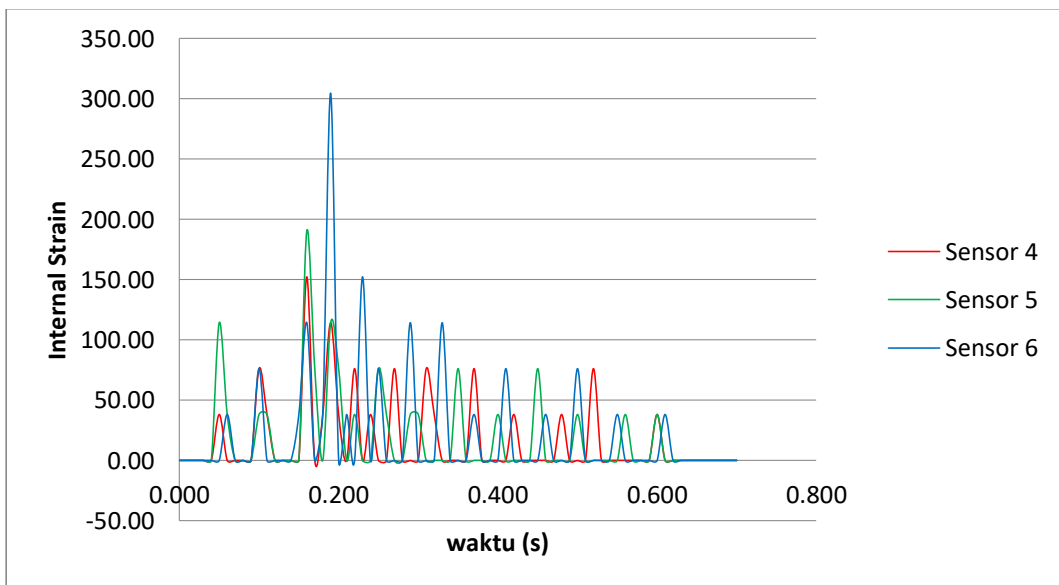
Grafik nilai tekanan per satuan waktu pada sudut kemiringan 3,49°

Perhitungan internal strain di sudut kemiringan 3,49°.

Sudut 3,49°	Data Digital			Tegangan (v)			Internal Strain		
	waktu	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	1	3	0	0.005	0.015	0.000	38.08	114.23	0.00
0.060	0	1	1	0.000	0.005	0.005	0.00	38.08	38.08
0.070	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.080	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.090	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.100	2	1	2	0.010	0.005	0.010	76.15	38.08	76.15
0.110	1	1	0	0.005	0.005	0.000	38.08	38.08	0.00
0.120	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.130	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.140	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.150	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.160	4	5	3	0.020	0.024	0.015	152.30	190.38	114.23
0.170	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.180	1	0	1	0.005	0.000	0.005	38.08	0.00	38.08
0.190	3	3	8	0.015	0.015	0.039	114.23	114.23	304.61
0.200	1	2	0	0.005	0.010	0.000	38.08	76.15	0.00
0.210	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.220	2	1	0	0.010	0.005	0.000	76.15	38.08	0.00
0.230	0	0	4	0.000	0.000	0.020	0.00	0.00	152.30
0.240	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.250	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.260	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.270	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.280	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.290	0	1	3	0.000	0.005	0.015	0.00	38.08	114.23
0.300	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.310	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.320	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.330	0	0	3	0.000	0.000	0.015	0.00	0.00	114.23
0.340	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.350	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	2	0	1	0.010	0.000	0.005	76.15	0.00	38.08
0.380	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.390	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.400	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.410	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.420	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.450	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00



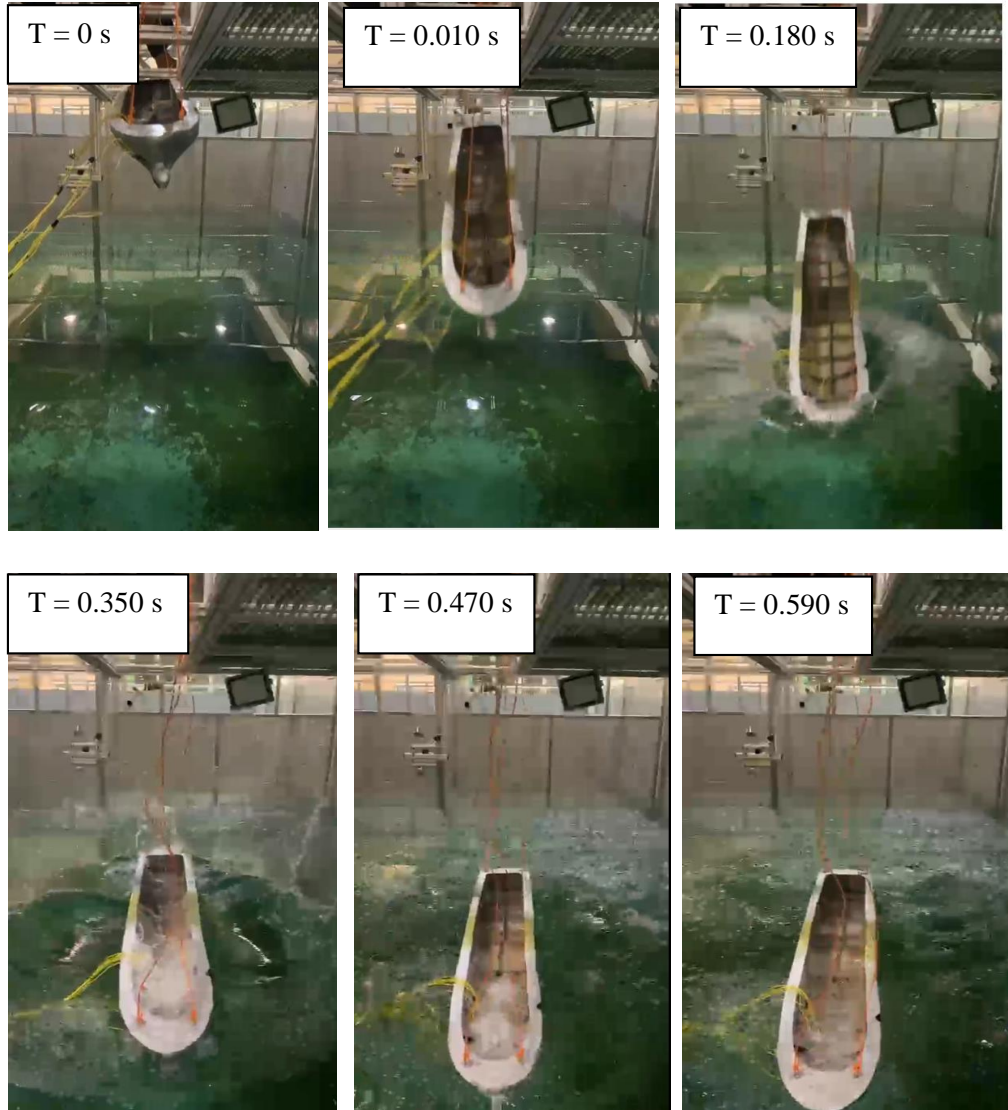
0.460	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.490	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.500	0	1	2	0.000	0.005	0.010	0.00	38.08	76.15
0.510	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.520	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.530	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.560	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.570	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.580	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	1	1	0	0.005	0.005	0.000	38.08	38.08	0.00
0.610	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.620	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.630	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.640	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.002	0.002	0.003	62.713	72.978	85.670



Grafik nilai internal strain per satuan waktu pada sudut kemiringan 3,49°

**Lampiran 4. Data hasil pengujian *droptest* pada kemiringan 15°.**

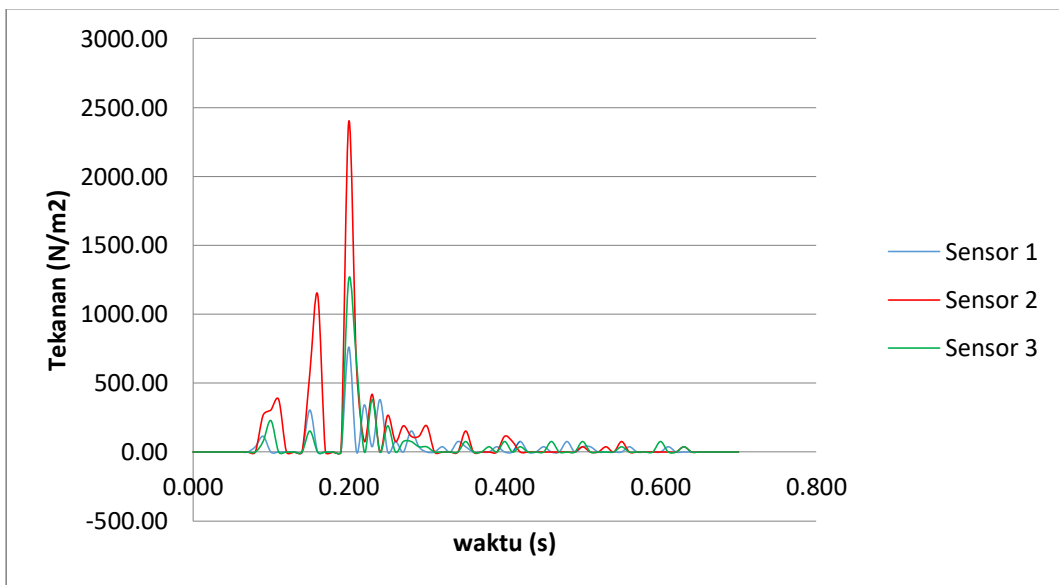
*Droptest* sudut kemiringan 15°



Perhitungan tekanan di sudut kemiringan 5,36°.

Sudut 5.36° waktu	Data Digital			Tegangan (v)			Tekanan(N/m2)		
	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2	sensor 3	sensor 1	sensor 2	sensor 3
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.060	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.070	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.080	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.090	3	7	2	0.015	0.034	0.010	114.23	266.53	76.15
0.100	0	8	6	0.000	0.039	0.029	0.00	304.61	228.45
0.110	0	10	0	0.000	0.049	0.000	0.00	380.76	0.00
0.120	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.130	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.140	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.150	8	15	4	0.039	0.073	0.020	304.61	571.14	152.30
0.160	0	30	0	0.000	0.147	0.000	0.00	1142.27	0.00
0.170	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.180	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.190	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.200	20	63	33	0.098	0.308	0.161	761.51	2398.77	1256.50
0.210	0	16	17	0.000	0.078	0.083	0.00	609.21	647.29
0.220	9	2	0	0.044	0.010	0.000	342.68	76.15	0.00
0.230	1	11	10	0.005	0.054	0.049	38.08	418.83	380.76
0.240	10	0	0	0.049	0.000	0.000	380.76	0.00	0.00
0.250	0	7	5	0.000	0.034	0.024	0.00	266.53	190.38
0.260	2	2	0	0.010	0.010	0.000	76.15	76.15	0.00
0.270	0	5	2	0.000	0.024	0.010	0.00	190.38	76.15
0.280	4	3	2	0.020	0.015	0.010	152.30	114.23	76.15
0.290	1	3	1	0.005	0.015	0.005	38.08	114.23	38.08
0.300	0	5	1	0.000	0.024	0.005	0.00	190.38	38.08
0.310	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.320	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.330	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.340	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.350	1	4	2	0.005	0.020	0.010	38.08	152.30	76.15
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.380	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.390	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.400	0	3	2	0.000	0.015	0.010	0.00	114.23	76.15
0.410	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.420	2	0	1	0.010	0.000	0.005	76.15	0.00	38.08
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.450	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00

0.460	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	2	0	0	0.010	0.000	0.000	76.15	0.00	0.00
0.490	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.500	1	1	2	0.005	0.005	0.010	38.08	38.08	76.15
0.510	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	1	0	0.000	0.005	0.000	0.00	38.08	0.00
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	0	2	1	0.000	0.010	0.005	0.00	76.15	38.08
0.560	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.570	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.580	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.610	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.620	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.630	0	1	1	0.000	0.005	0.005	0.00	38.08	38.08
0.640	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.005	0.014	0.007	132.358	347.873	184.667

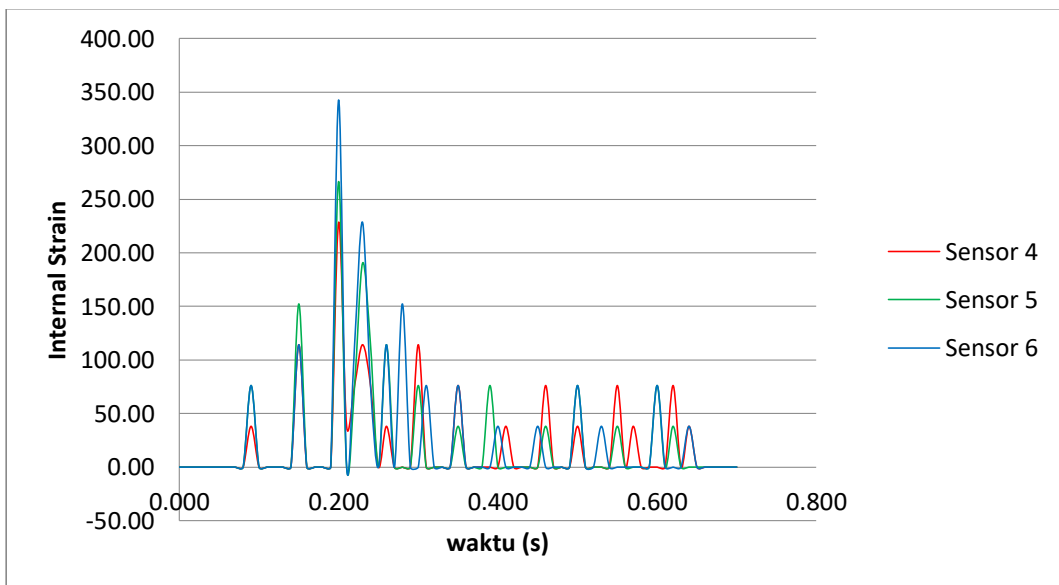


Grafik nilai tekanan per satuan waktu pada sudut kemiringan 5,36°

Perhitungan internal strain di sudut kemiringan 5,36°.

Sudut 5.36°	Data Digital			Tegangan (v)			Internal Strain		
	waktu	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5	sensor 6	sensor 4	sensor 5
0.000	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.010	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.020	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.030	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.040	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.050	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.060	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.070	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.080	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.090	1	2	2	0.005	0.010	0.010	38.08	76.15	76.15
0.100	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.110	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.120	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.130	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.140	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.150	3	4	3	0.015	0.020	0.015	114.23	152.30	114.23
0.160	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.170	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.180	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.190	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.200	6	7	9	0.029	0.034	0.044	228.45	266.53	342.68
0.210	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.220	2	2	3	0.010	0.010	0.015	76.15	76.15	114.23
0.230	3	5	6	0.015	0.024	0.029	114.23	190.38	228.45
0.240	2	3	2	0.010	0.015	0.010	76.15	114.23	76.15
0.250	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.260	1	3	3	0.005	0.015	0.015	38.08	114.23	114.23
0.270	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.280	0	0	4	0.000	0.000	0.020	0.00	0.00	152.30
0.290	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.300	3	2	0	0.015	0.010	0.000	114.23	76.15	0.00
0.310	0	0	2	0.000	0.000	0.010	0.00	0.00	76.15
0.320	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.330	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.340	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.350	2	1	2	0.010	0.005	0.010	76.15	38.08	76.15
0.360	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.370	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.380	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.390	0	2	0	0.000	0.010	0.000	0.00	76.15	0.00
0.400	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.410	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.420	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.430	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.440	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.450	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08

0.460	2	1	0	0.010	0.005	0.000	76.15	38.08	0.00
0.470	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.480	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.490	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.500	1	2	2	0.005	0.010	0.010	38.08	76.15	76.15
0.510	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.520	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.530	0	0	1	0.000	0.000	0.005	0.00	0.00	38.08
0.540	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.550	2	1	0	0.010	0.005	0.000	76.15	38.08	0.00
0.560	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.570	1	0	0	0.005	0.000	0.000	38.08	0.00	0.00
0.580	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.590	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.600	0	2	2	0.000	0.010	0.010	0.00	76.15	76.15
0.610	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.620	2	1	0	0.010	0.005	0.000	76.15	38.08	0.00
0.630	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.640	1	0	1	0.005	0.000	0.005	38.08	0.00	38.08
0.650	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.660	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.670	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.680	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.690	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
0.700	0	0	0	0.000	0.000	0.000	0.00	0.00	0.00
rata-rata				0.002	0.003	0.003	76.151	90.430	104.708



Grafik nilai internal strain per satuan waktu pada sudut kemiringan 5,36°