

LAMPIRAN A

Data List Koordinat Orde-3 dan Orde-4 BPN

Data list koordinat orde-3 Kecamatan Pagelaran, Kabupaten Malang.

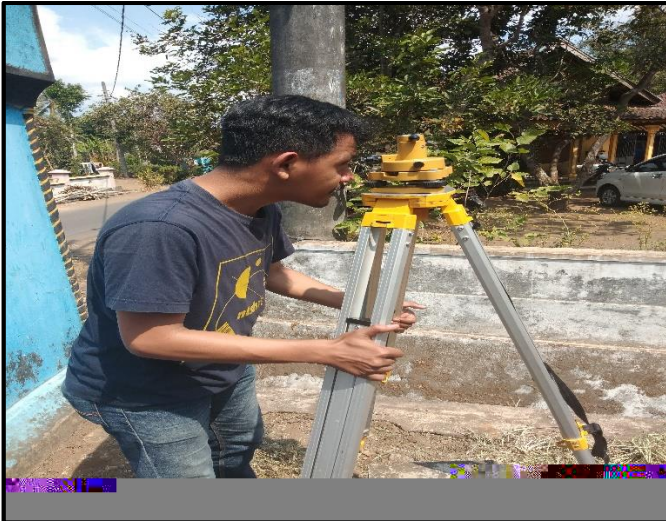
No	TM3		No. Titik	UTM	
	X	Y		X	Y
1	212153.4383	594030.7599	12.06.631	677392.2220	9093948.9042
2	210994.0467	593738.7081	12.06.632	676231.6494	9093661.1576

Data list koordinat orde-4 Desa Clumprit, Kecamatan Pagelaran, Kabupaten Malang.

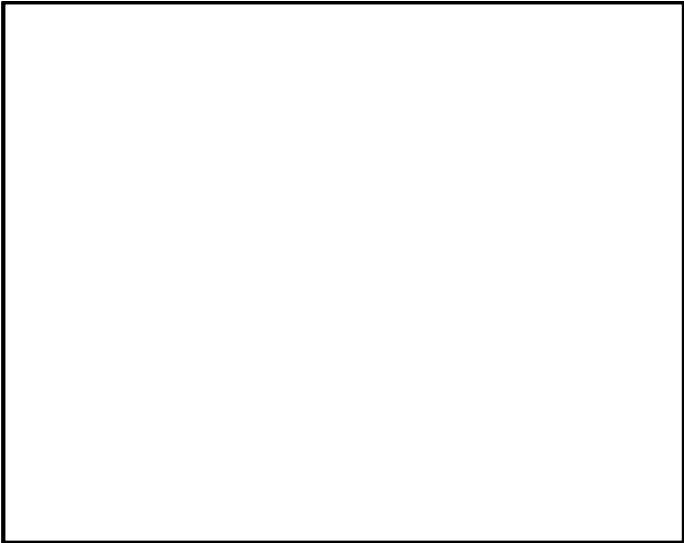
NO	TM3		No. Titik	UTM	
	X	Y		X	Y
1	213541.773	589870.430	BPN 001	678765.1087	9089783.033
2	213758.778	589962.194	BPN 002	678982.4766	9089873.992
3	213838.619	589998.018	BPN 003	679062.4589	9089909.52
4	213756.936	590112.874	BPN 004	678981.1993	9090024.692
5	213604.303	590312.058	BPN 005	678829.2997	9090224.465
6	213576.628	590389.979	BPN 006	678801.9143	9090302.497
7	213369.526	590296.438	BPN 007	678594.4439	9090209.724
8	213153.393	590208.819	BPN 008	678377.9641	9090122.908
9	213234.483	590014.425	BPN 009	678458.3323	9089928.193
10	213059.973	590453.735	BIN 010	678285.4541	9090368.194
11	212892.687	590428.558	BPN 011	678118.0597	9090343.642
12	212856.435	590521.050	BPN 012	678082.1513	9090436.277
13	212960.206	590695.099	BPN 013	678186.583	9090609.952
14	213044.207	590927.362	BPN 014	678271.4611	9090841.92
15	213156.707	591200.098	BPN 015	678384.9919	9091114.258
16	213204.156	591347.377	BPN 016	678432.9963	9091261.372
17	213184.77	590635.728	BPN 017	678410.9435	9090549.735
18	213416.181	590748.263	BPN 018	678642.7958	9090661.413
19	213661.218	590865.602	BPN 019	678888.2935	9090777.844
20	214052.135	591064.164	BPN 020	679279.9883	9090974.959
21	214295.105	591178.933	BPN 021	679523.4097	9091088.829
22	214556.895	591313.506	BPN 022	679785.727	9091222.434
23	214312.964	591408.392	BPN 023	679542.1293	9091318.241
24	214032.993	591423.295	BPN 024	679262.1892	9091334.194
25	213490.387	591445.368	BPN 025	678719.6185	9091358.3
26	214379.267	590840.092	BPN 026	679606.3103	9090749.642
27	214460.481	591050.309	BPN 027	679688.3189	9090959.574
28	214078.691	590740.66	BPN 028	679305.3351	9090651.327
29	213909.767	590530.712	BPN 029	679135.6096	9090441.994
30	214578.652	591375.798	BPN 030	679807.7192	9091284.65
31	213758.533	591427.853	BPN 031	678987.7222	9091339.779

NO	TM3		No. Titik	UTM	
	X	Y		X	Y
32	213770.314	589904.93	BPN 032	678993.7989	9089816.679
33	213650.904	589707.012	BPN 033	678873.6364	9089619.192
34	213459.703	589379.429	BPN 034	678681.1902	9089292.298
35	213318.508	589303.829	BPN 035	678539.6995	9089217.221
36	213218.742	589259.282	BPN 036	678439.7578	9089173.045
37	212423.406	589877.24	BPN 037	677646.6734	9089794.037
38	212323.789	589751.409	BPN 038	677546.5765	9089668.57
39	212260.294	589653.113	BPN 039	677482.7077	9089570.504
40	212237.801	589954.284	BPN 040	677461.3422	9089871.783

LAMPIRAN B
Dokumentasi Lapangan











LAMPIRAN C

Report Hasil Pengolahan Data GPS

Project name: Van de Bazz.ttp
 Surveyor: Abbas Usman
 Comment:
 Linear unit: Meters
 Projection: UTMSouth-Zone_49 : 108E to 114E
 Geoid: EGM2008
 Adjustment Summary

Adjustment type: Plane, Constraint
 Confidence level: 95 %
 Number of adjusted points: 9
 Number of plane control points: 2
 Number of used GPS vectors: 22
 Number of rejected GPS vectors by plane: 1
 A posteriori plane UWE: 3,033874 , Bounds: (0,7394496 , 1,260102)

Used GPS Observations					
Name	dN (m)	dE (m)	dHt (m)	Horz RMS (m)	Vert RMS (m)
Orde 3-3 1 – O r-3d	-313,0411	-1125,4170	-8,274	0,0007	0,002
Orde 3-3 1 – O r-1d	-2700,2385	1038,6145	-7,018	0,0013	0,002
Orde 3-3 1 – O r-1d	-2700,2335	1038,6089	-7,029	0,0015	0,003
Orde 3-3 1 – O r-2d	-2843,1818	2133,1332	-1,185	0,0014	0,003
Orde 3-3 1 – O r-3d	-2606,7883	1590,9030	-3,383	0,0013	0,003
Orde 3-3 2 – O r-1d	-3044,9154	1935,3977	-1,205	0,0033	0,007
Orde 3-3 2 – O r-1d	-2535,6168	2120,1888	0,600	0,0025	0,006
Orde 3-3 2 – O r-1d	-2387,1946	2164,0283	1,240	0,0016	0,003
Orde 4-1 3 – O r-1d	509,2967	184,7916	1,805	0,0007	0,001
Orde 4-1 3 – O r-1d	509,2946	184,7873	1,766	0,0007	0,001
Orde 4-1 3 – O r-1d	63,7511	454,5928	2,707	0,0009	0,002
Orde 4-1 5 – O r-1d	148,4204	43,8509	1,003	0,0005	0,001
Orde 4-1 5 – O r-1d	-445,5419	269,8046	0,942	0,0008	0,002
Orde 4-1 5 – O r-1d	-445,5400	269,8145	0,953	0,0010	0,002
Orde 4-1 6 – O r-1d	-593,9601	225,9637	-0,052	0,0010	0,002
Orde 4-1 6 – O r-3d	93,4510	552,2902	3,638	0,0005	0,001
Orde 4-1 8 – O r-1d	151,4893	288,0011	1,454	0,0010	0,002
Orde 4-1 8 – O r-3d	687,4236	326,3349	3,001	0,0010	0,002
Orde 4-1 9 – O r-2d	299,5702	580,5837	3,533	0,0012	0,003
Orde 4-1 9 – O r-3d	535,9421	38,3344	1,544	0,0010	0,002

GPS Observation Residuals					
Name	dN (m)	dE (m)	dHt (m)	Horz RMS (m)	Vert RMS (m)
Orde 3-3 1 - O r-3e	-313,0411	-1125,4170	-8,274	0,0007	0,002
Orde 3-3 1 - O r-1e	-2700,2385	1038,6145	-7,018	0,0013	0,002
Orde 3-3 1 - O r-1e	-2700,2335	1038,6089	-7,029	0,0015	0,003
Orde 3-3 1 - O r-2e	-2843,1818	2133,1332	-1,185	0,0014	0,003
Orde 3-3 1 - O r-3e	-2606,7883	1590,9030	-3,383	0,0013	0,003
Orde 3-3 2 - O r-1e	-3044,9154	1935,3977	-1,205	0,0033	0,007
Orde 3-3 2 - O r-1e	-2535,6168	2120,1888	0,600	0,0025	0,006
Orde 3-3 2 - O r-1e	-2387,1946	2164,0283	1,240	0,0016	0,003
Orde 4-1 3 - O r-1e	509,2967	184,7916	1,805	0,0007	0,001
Orde 4-1 3 - O r-1e	509,2946	184,7873	1,766	0,0007	0,001
Orde 4-1 3 - O r-1e	63,7511	454,5928	2,707	0,0009	0,002
Orde 4-1 5 - O r-1e	148,4204	43,8509	1,003	0,0005	0,001
Orde 4-1 5 - O r-1e	-445,5419	269,8046	0,942	0,0008	0,002
Orde 4-1 5 - O r-1e	-445,5400	269,8145	0,953	0,0010	0,002
Orde 4-1 6 - O r-1e	-593,9601	225,9637	-0,052	0,0010	0,002
Orde 4-1 6 - O r-3e	93,4510	552,2902	3,638	0,0005	0,001
Orde 4-1 8 - O r-1e	151,4893	288,0011	1,454	0,0010	0,002
Orde 4-1 8 - O r-3e	687,4236	326,3349	3,001	0,0010	0,002
Orde 4-1 9 - O r-2e	299,5702	580,5837	3,533	0,0012	0,003

Control Points				
Name	Grid North (m)	Grid East (m)	Elevation (m)	Std Dev Hz (m)
O r d e 3 - 3 1	9093968,2050	677371,7410	329,260	0,000
O r d e 3 - 3 2	9093655,1630	676246,3228	319,474	0,000

Point Summary						
Name	Grid Northing (m)	Grid Easting (m)	Elevation (m)	Std Dev Hz (m)	Elevation (m)	Ell.Height (m)
Or d e 3	9093968,2050	677371,7410	329,260	0,0000	329,260	359,166
Or d e 3	9093655,1630	676246,3228	319,474	0,0000	319,474	349,311
Or d e 4	9090610,2488	678181,7173	319,548	0,0043	319,548	349,340
Or d e 4	9091119,5440	678366,5052	321,321	0,0037	321,321	351,145
Or d e 4	9091267,9666	678410,3537	320,718	0,0029	320,718	350,551
Or d e 4	9090674,0007	678636,3130	322,270	0,0037	322,270	352,087
Or d e 4	9090825,4847	678924,3137	324,399	0,0043	324,399	354,237
Or d e 4	9091125,0505	679504,8968	327,889	0,0051	327,889	357,770
Or d e 4	9091361,4216	678962,6455	325,920	0,0036	325,920	355,786

Adjustment

Control Tie Analysis: success

Adjustment type: Plane, Constraint

Confidence level: 95 %

Number of adjusted points: 9

Number of plane control points: 2

Number of used GPS vectors: 22

Number of rejected GPS vectors by plane: 1

A posteriori plane or 3D UWE: 3,033874 , Bounds: (0,7394496 , 1,260102)

GPS Observations					
Name	Horz RMS (m)	dX (m)	dY (m)	Distance (m)	Solution Type
Orde 3-3 1 - O r-3 e 3	0,0007	1058,4137	382,7822	1168,2527	Fixed
Orde 3-3 1 - O r-1 e 4	0,0013	-818,1932	-765,2250	2893,2915	Fixed
Orde 3-3 1 - O r-1 e 4	0,0015	-818,1842	-765,2322	2893,2849	Fixed
Orde 3-3 1 - O r-2 e 4	0,0014	-1823,6739	-1199,4692	3554,6474	Fixed
Orde 3-3 1 - O r-3 e 4	0,0013	-1334,3116	-961,5842	3054,0976	Fixed
Orde 3-3 2 - O r-1 e 4	0,0033	-1630,8410	-1150,2797	3608,1851	Fixed
Orde 3-3 2 - O r-1 e 4	0,0025	-1828,2679	-1151,5824	3305,4492	Fixed
Orde 3-3 2 - O r-1 e 4	0,0016	-1876,5977	-1148,0196	3222,2797	Fixed
Orde 4-1 3 - O r-1 e 4	0,0007	-197,4273	-1,3031	541,8217	Fixed

Name	Horz RMS (m)	dX (m)	dY (m)	Distance (m)	Solution Type
Orde 4-1 3 - O r-1 6 e 4	0,0007	-197,4083	-1,3374	541,8180	Fixed
Orde 4-1 3 - O r-1 8 e 4	0,0009	-424,0476	-163,6189	459,0772	Fixed
Orde 4-1 5 - O r-1 6 e 4	0,0005	-48,4782	3,8895	154,7756	Fixed
Orde 4-1 5 - O r-1 8 e 4	0,0008	-226,6390	-162,2798	520,8993	Fixed
Orde 4-1 5 - O r-1 8 e 4	0,0010	-226,6528	-162,2726	520,9028	Fixed
Orde 4-1 6 - O r-1 8 e 4	0,0010	-178,1738	-166,1640	635,5292	Fixed
Orde 4-1 6 - O r-3 d e 4	0,0005	-516,1209	-196,3570	560,1861	Fixed
Orde 4-1 8 - O r-1 9 e 4	0,0010	-274,2404	-89,0716	325,4357	Fixed
Orde 4-1 8 - O r-3 d e 4	0,0010	-337,6935	-30,8236	761,0021	Fixed
Orde 4-1 9 - O r-2 d e 4	0,0012	-552,7545	-179,8342	653,3621	Fixed
Orde 4-1 9 - O r-3 d e 4	0,0010	-63,4531	58,2464	537,3457	Fixed
Orde 4-1 9 - O r-3 d e 4	0,0007	-63,4488	58,2485	537,3371	Fixed
Orde 4-2 1 - O r-3 d e 4	0,0005	489,3038	238,0785	591,5686	Fixed