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L A M P I R A N

TABEL KADAR UNSUR BLOK X

No	Hole Id	Sampel Id	From	To	Recovery	Material Code	Ni	Fe	Co	Al_2O_3	SiO_2	CaO	MgO	Cr_2O_3
1	MP0101	SP1302	0	1	1	LIM	0.844	44.755	0.074	8.764	9.079	0.027	1.137	2.346
		SP1303	1	2	1	LIM	0.911	45.165	0.077	8.836	8.388	0.031	1.16	2.297
		SP1304	2	3	1	LIM	0.917	45.683	0.078	8.997	7.503	0.016	1.158	2.428
		SP1305	3	4	1	LIM	0.871	46.601	0.076	8.326	7.225	0.008	1.142	2.396
		SP1306	4	5	1	LIM	0.855	44.979	0.071	9.347	8.124	0.016	0.808	2.338
		SP1307	5	6	1	LIM	0.775	45.019	0.066	10.953	7.421	<0.001	0.423	2.315
		SP1308	6	7	1	LIM	0.819	45.124	0.078	10.867	7.66	<0.001	0.489	2.209
		SP1309	7	8	1	LIM	0.872	44.592	0.081	10.732	7.79	<0.001	0.55	2.299
		SP1310	8	9	1	LIM	0.848	43.684	0.073	11.947	8.17	<0.001	0.419	2.225
		SP1311	9	10	1	LIM	0.898	43.599	0.078	11.71	8.588	<0.001	0.426	2.107
		SP1312	10	11	1	LIM	0.985	44.156	0.088	11.054	8.521	<0.001	0.448	1.909
		SP1313	11	12	1	LIM	1.138	42.28	0.09	10.928	10.529	<0.001	0.54	1.928
		SP1314	12	13	1	SAP	1.028	29.247	0.057	9.018	23.788	0.01	7.989	1.668
		SP1315	13	14	1	SAP	1.067	22.825	0.053	6.411	37.477	1.052	14.525	1.82
		SP1316	14	15	1	SAP	1.174	23.589	0.044	6.011	29.543	0.959	11.01	1.625
		SP1317	15	16	1	SAP	1.61	25.914	0.047	4.905	33.784	0.399	5.133	1.416
		SP1318	16	17	1	SAP	1.805	22.744	0.04	6.186	34.624	0.516	6.434	1.405
		SP1543	17	18	1	SAP	1.301	26.399	0.048	3.865	30.841	0.05	5.508	1.871
		SP1544	18	19	1	SAP	1.539	23.695	0.04	4.161	34.316	0.314	6.662	1.167
		SP1545	19	20	1	SAP	1.766	19.799	0.044	4.222	41.458	0.605	18.166	1.437
		SP1546	20	21	1	SAP	1.832	18.878	0.044	2.904	42.05	0.404	21.303	1.574
		SP1547	21	22	1	SAP	1.63	13.631	0.031	3.189	42.511	0.466	23.421	1.093
		SP1548	22	23	1	BRK	0.966	11.797	0.025	6.178	45.675	0.724	25.474	0.744
		SP1549	23	24	1	BRK	0.694	10.1	0.022	6.922	45.655	0.383	27.778	0.732
		SP1550	24	25	1	BRK	0.604	10.635	0.024	3.227	44.718	0.401	29.465	0.752

2	MP0109	SP1551	0	1	1	LIM	0.762	46.179	0.056	11.065	5.884	<0.001	0.466	2.196
		SP1552	1	2	1	LIM	0.772	47.156	0.065	11.214	4.484	<0.001	0.336	2.194
		SP1553	2	3	1	LIM	0.754	46.615	0.058	11.728	5.026	<0.001	0.354	2.189
		SP1554	3	4	1	LIM	0.798	46.169	0.047	11.645	5.173	<0.001	0.299	2.528
		SP1555	4	5	1	LIM	0.84	43.847	0.042	11.107	7.659	0.01	0.894	2.602
		SP1556	5	6	1	LIM	0.989	44.831	0.067	11.767	5.41	<0.001	0.329	2.605
		SP1557	6	7	1	LIM	1.202	46.523	0.107	10.663	4.022	<0.001	0.393	2.404
		SP1558	7	8	1	LIM	1.252	48.239	0.116	9.069	3.626	<0.001	0.484	2.453
		SP1559	8	9	1	LIM	1.406	45.716	0.122	10.72	4.489	<0.001	0.431	2.693
		SP1560	9	10	1	LIM	1.748	46.832	0.108	6.767	6.937	<0.001	0.629	2.455
		SP1561	10	11	1	LIM	2.085	33.426	0.071	3.94	17.998	0.088	7.247	1.294
		SP1562	11	12	1	SAP	2.234	23.442	0.054	3.716	34.358	0.198	17.442	1.526
		SP1563	12	13	1	SAP	2.153	27.185	0.047	4.701	27.026	0.32	8.197	1.544
		SP1564	13	14	1	SAP	1.922	24.656	0.043	3.647	28.965	0.144	12.923	1.329
		SP1565	14	15	1	SAP	2.61	17.317	0.04	4.383	40.129	0.175	22.563	1.413
		SP1566	15	16	1	SAP	2.493	15.565	0.036	4.141	39.405	0.214	24.379	1.239
		SP1567	16	17	1	SAP	2.03	12.407	0.029	2.727	44.31	0.134	31.842	0.873
		SP1568	17	18	1	SAP	2.26	17.286	0.039	4.869	38.481	0.37	23.96	1.212
		SP1569	18	19	1	SAP	2.151	12.552	0.028	3.219	40.124	0.33	25.787	0.818
		SP1570	19	20	1	SAP	2.309	15.681	0.035	3.59	38.208	0.4	24.223	1.226
		SP1571	20	21	1	SAP	2.29	12.66	0.029	3.114	39.022	0.389	25.907	1.128
		SP1572	21	22	1	SAP	2.028	12.378	0.029	3.788	40.102	0.346	29.169	1.014
		SP1573	22	23	1	SAP	1.775	15.769	0.036	6.259	35.113	1.324	22.826	1.399
		SP1574	23	24	1	SAP	2.313	39.367	0.077	1.266	15.426	0.022	6.312	2.158
		SP1575	24	25	1	SAP	2.515	18.105	0.044	0.641	37.455	0.021	27.629	1.025
		SP1576	25	26	1	SAP	1.999	12.959	0.032	1.014	41.907	0.1	31.733	0.863
3	MP0110	SP1577	0	1	1	LIM	0.828	42.408	0.067	9.483	10.761	0.034	0.862	2.427
		SP1578	1	2	1	LIM	0.888	43.828	0.076	10.061	8.71	0.021	0.9	2.396
		SP1579	2	3	1	LIM	0.95	44.512	0.077	10.08	8.084	0.007	1.035	2.283
		SP1580	3	4	1	LIM	0.905	45.071	0.078	10.095	7.338	0.008	0.908	2.274

		SP1581	4	5	1	LIM	0.841	45.405	0.075	10.124	7.397	<0.001	0.791	2.258
		SP1582	5	6	1	LIM	0.793	43.884	0.071	10.933	8.492	<0.001	0.563	2.176
		SP1583	6	7	1	LIM	0.801	43.74	0.062	11.968	7.929	<0.001	0.35	2.068
		SP1584	7	8	1	LIM	0.82	44.225	0.069	11.75	7.67	0.001	0.536	2.038
		SP1585	8	9	1	LIM	0.781	44.021	0.069	12.759	7.454	<0.001	0.306	2.11
		SP1586	9	10	1	LIM	0.758	43.691	0.072	13.453	6.956	<0.001	0.256	2.11
		SP1587	10	11	1	LIM	0.791	43.146	0.086	13.523	7.499	<0.001	0.335	1.998
		SP1588	11	12	1	LIM	0.794	41.688	0.08	13.798	9.053	<0.001	0.316	1.944
		SP1589	12	13	1	LIM	0.946	42.739	0.092	12.32	8.371	<0.001	0.313	2.186
		SP1590	13	14	1	LIM	1.179	44.235	0.087	9.105	9.333	<0.001	0.548	1.915
		SP1591	14	15	1	LIM	1.19	42.055	0.075	10.142	12.437	<0.001	0.829	1.776
		SP1592	15	16	1	LIM	1.297	40.408	0.071	9.154	14.425	<0.001	1.446	1.964
		SP1593	16	17	1	SAP	1.298	34.955	0.062	9.55	20.201	0.041	2.825	1.923
		SP1594	17	18	1	SAP	1.518	36.277	0.064	8.564	19.364	0.024	2.105	1.994
		SP1595	18	19	1	SAP	1.584	43.137	0.078	3.96	13.196	0.01	1.781	2.637
		SP1596	19	20	1	SAP	1.947	29.014	0.052	6.121	28.356	0.065	4.015	1.706
		SP1597	20	21	1	SAP	2.185	17.457	0.041	2.79	41.334	0.202	23.944	1.238
		SP1598	21	22	1	SAP	1.763	15.998	0.036	2.366	42.39	0.191	26.926	0.887
		SP1599	22	23	1	SAP	1.923	14.274	0.032	2.598	43.011	0.287	23.996	1.036
		SP1600	23	24	1	SAP	1.194	21.962	0.039	3.847	37.403	0.31	6.489	1.224
		SP1601	24	25	1	SAP	1.491	21.379	0.038	4.857	36.216	0.097	9.972	1.071
		SP1602	25	26	1	SAP	1.552	21.019	0.036	4.568	36.553	0.059	11.026	1.119
		SP1520	26	27	1	SAP	1.182	24.495	0.044	4.032	33.112	0.073	12.371	1.36
4	MP0113	SP1522	0	1	1	LIM	0.673	41.751	0.06	10.301	12.965	0.021	0.867	1.503
		SP1523	1	2	1	LIM	0.741	42.826	0.063	10.452	11.959	0.003	0.936	1.471
		SP1524	2	3	1	LIM	0.822	43.382	0.07	10.293	10.464	0.01	1	1.787
		SP1525	3	4	1	LIM	0.69	41.261	0.063	11.877	12.472	0.007	0.884	1.582
		SP1526	4	5	1	LIM	0.66	42.113	0.062	12.258	10.381	<0.001	0.632	1.996
		SP1527	5	6	1	LIM	0.598	40	0.057	12.613	13.944	<0.001	0.692	1.548
		SP1528	6	7	1	LIM	0.71	42.07	0.057	12.422	10.363	<0.001	0.395	1.665

		SP1529	7	8	1	LIM	0.686	42.416	0.06	12.818	9.5	<0.001	0.348	1.739
		SP1530	8	9	1	LIM	0.816	43.654	0.066	12.441	7.023	<0.001	0.298	2.286
		SP1531	9	10	1	LIM	0.771	42.827	0.07	12.765	8.189	<0.001	0.339	2.107
		SP1532	10	11	1	LIM	0.85	43.431	0.066	12.244	7.556	<0.001	0.392	2.359
		SP1533	11	12	1	LIM	0.871	43.328	0.076	11.829	7.319	<0.001	0.313	2.38
		SP1534	12	13	1	LIM	0.921	44.077	0.08	11.1	7.836	<0.001	0.399	2.267
		SP1535	13	14	1	LIM	0.958	43.986	0.098	11.485	6.544	<0.001	0.447	2.445
		SP1536	14	15	1	LIM	0.923	42.905	0.089	10.602	9.073	<0.001	0.486	2.506
		SP1537	15	16	1	LIM	0.864	39.294	0.075	7.958	18.215	<0.001	1.509	2.036
		SP1538	16	17	1	LIM	1.042	38.367	0.066	6.581	18.951	<0.001	0.924	2.079
		SP1539	17	18	1	LIM	1.075	31.784	0.059	6.762	24.231	<0.001	3.014	1.815
		SP1540	18	19	1	LIM	1.035	23.347	0.042	12.615	22.259	0.007	13.555	1.373
		SP1541	19	19.35	0.35	LIM	1.379	23.852	0.042	5.56	26.483	0.929	13.169	1.812
		SP1542	19.4	20	0.65	SAP	1.233	9.286	0.022	2.341	43.546	0.122	35.593	0.741
		SP1502	20	21	1	SAP	1.995	13.441	0.031	2.588	41.934	0.895	29.423	1.137
		SP1503	21	22	1	SAP	2.377	13.888	0.032	2.317	41.136	0.609	27.565	1.156
		SP1504	22	23	1	SAP	1.954	13.884	0.032	2.687	40.795	0.447	28.87	1.113
		SP1505	23	24	1	SAP	1.491	8.951	0.02	2.729	42.68	0.224	31.39	0.672
		SP1506	24	25	1	BRK	0.505	6.468	0.014	2.309	46.812	0.019	37.96	0.457
5	MP0114	SP1507	0	1	1	LIM	0.665	43.193	0.05	11.319	9.903	0.012	0.531	1.922
		SP1508	1	2	1	LIM	0.706	43.787	0.049	12.023	8.512	<0.001	0.52	2.088
		SP1509	2	3	1	LIM	0.707	44.483	0.055	11.699	8.546	0.002	0.531	1.756
		SP1510	3	4	1	LIM	0.747	44.563	0.046	12.108	7.104	<0.001	0.381	2.397
		SP1511	4	5	1	LIM	0.721	43.159	0.045	12.784	8.103	<0.001	0.295	2.364
		SP1512	5	6	1	LIM	0.771	43.893	0.054	13.571	5.62	<0.001	0.317	2.473
		SP1513	6	7	1	LIM	0.831	44.397	0.067	13.434	4.945	<0.001	0.301	2.379
		SP1514	7	8	1	LIM	0.899	44.822	0.081	13.177	4.085	<0.001	0.299	2.371
		SP1515	8	9	1	LIM	1.059	44.348	0.072	12.883	4.645	<0.001	0.52	2.348
		SP1516	9	10	1	LIM	1.132	42.932	0.089	13.237	6.184	<0.001	1.185	2.285
		SP1517	10	11	1	LIM	1.099	40.901	0.09	14.221	7.642	<0.001	2.022	2.096

		SP1518	11	12	1	LIM	1.266	38.691	0.112	14	9.41	0.006	1.261	2.162
		SP1519	12	13	1	LIM	1.667	37.209	0.076	8.879	16.438	0.017	1.421	2.267
		SP1434	13	14	1	LIM	1.772	34.819	0.067	7.517	18.732	0.387	3.49	2.269
		SP1435	14	15	1	LIM	1.299	38.275	0.081	4.585	18.117	0.031	5.159	2.242
		SP1436	15	16	1	LIM	1.891	41.024	0.076	6.286	12.241	0.066	2.408	2.955
		SP1437	16	17	1	LIM	2.017	34.34	0.06	7.474	18.189	0.194	3.307	3.08
		SP1438	17	18	1	LIM	1.726	34.204	0.061	6.544	20.436	0.198	4.843	2.369
		SP1439	18	19	1	LIM	1.573	37.077	0.066	6.602	17.833	0.1	3.761	2.629
		SP1440	19	20	1	SAP	1.367	31.61	0.055	7.344	18.137	0.264	10.717	1.836
		SP1441	20	21	1	SAP	1.582	40.062	0.07	4.394	15.465	0.031	2.505	2.075
		SP1442	21	22	1	SAP	1.664	33.368	0.059	6.24	22.618	0.085	2.681	2.027
		SP1443	22	23	1	SAP	1.354	28.602	0.051	6.061	25.954	0.182	6.154	1.351
		SP1444	23	24	1	SAP	1.917	38.48	0.07	6.583	15.698	0.111	2.541	2.493
		SP1445	24	25	1	SAP	1.449	33.97	0.06	5.648	19.64	0.153	5.427	1.892
6	MP0117	SP1446	0	1	1	LIM	0.99	44.554	0.072	10.84	6.511	0.007	0.786	2.511
		SP1447	1	2	1	LIM	0.957	45.239	0.056	11.656	5.381	<0.001	0.577	2.528
		SP1448	2	3	1	LIM	1.053	46.748	0.08	10.988	3.877	<0.001	0.457	2.393
		SP1449	3	4	1	LIM	1.203	48.403	0.087	9.486	3.213	<0.001	0.515	2.326
		SP1450	4	5	1	LIM	1.206	49.242	0.107	8.695	2.593	<0.001	0.403	2.565
		SP1451	5	6	1	LIM	1.289	46.74	0.151	11.694	2.69	<0.001	0.457	2.18
		SP1452	6	7	1	LIM	1.313	41.636	0.104	10.036	9.211	<0.001	3.066	2.08
		SP1453	7	8	1	LIM	1.711	42.889	0.105	4.935	11.39	0.002	3.395	2.5
		SP1454	8	9	1	LIM	2.678	11.38	0.032	1.182	41.411	0.25	26.984	0.85
		SP1455	9	10	1	SAP	2.668	9.28	0.023	0.727	41.185	0.304	29.267	0.734
		SP1456	10	11	1	SAP	2.098	8.489	0.02	1.357	43.404	0.248	32.313	0.587
		SP1457	11	12	1	SAP	1.839	13.363	0.032	2.069	41.509	0.26	27.574	0.976
		SP1458	12	13	1	SAP	2.178	21.255	0.037	4.836	31.896	0.236	8.8	1.408
		SP1459	13	14	1	SAP	1.756	12.41	0.029	3.419	43.297	0.396	27.92	0.998
		SP1460	14	15	1	SAP	1.756	10.807	0.026	2.291	43.579	0.316	27.975	0.819
		SP1461	15	16	1	SAP	1.607	13.055	0.029	3.751	43.345	0.374	22.222	0.94

		SP1404	16	17	1	SAP	1.43	10.787	0.024	3.21	44.745	0.729	28.465	0.886
		SP1405	17	18	1	SAP	1.306	12.333	0.028	3.343	44.816	0.459	24.759	0.974
		SP1406	18	18.65	0.65	SAP	1.276	18.275	0.041	2.806	43.578	0.26	20.269	1.323
		SP1407	18.7	19	0.35	SAP	1.214	22.81	0.053	1.489	40.326	0.073	20.627	1.262
		SP1408	19	19.6	0.6	SAP	1.256	23.889	0.044	0.552	33.948	<0.001	12.934	1.049
		SP1409	19.6	20	0.4	SAP	1.062	13.451	0.029	3.381	45.108	0.287	24.205	0.771
		SP1410	20	21	1	SAP	0.475	6.949	0.015	2.165	44.511	0.61	33.345	0.497
		SP1411	21	21.25	0.25	SAP	0.697	6.656	0.015	1.948	44.391	0.824	33.98	0.449
		SP1412	21.3	22	0.75	SAP	1.184	12.827	0.029	3.029	44.086	0.617	25.949	0.892
		SP1413	22	22.3	0.3	SAP	0.673	6.172	0.014	1.8	45.638	0.901	36.152	0.43
		SP1414	22.3	23	0.7	SAP	0.738	7.407	0.017	2.321	46.252	0.776	34.556	0.602
		SP1415	23	23.45	0.45	SAP	0.431	6.095	0.014	1.618	48.333	0.027	36.892	0.493
		SP1416	23.5	23.7	0.25	SAP	0.318	6.766	0.015	0.961	46.544	0.232	36.855	0.434
		SP1417	23.7	24	0.3	BRK	0.415	8.418	0.019	1.913	46.076	0.522	33.133	0.587
		SP1418	24	25	1	BRK	0.262	6.456	0.015	1.631	44.759	0.594	34.804	0.422
7	MP0118	SP1419	0	1	1	LIM	0.834	45.453	0.053	11.7730	4.202	0.001	0.396	2.908
		SP1420	1	2	1	LIM	0.842	46.24	0.053	12.0370	3.689	<0.001	0.336	2.807
		SP1421	2	3	1	LIM	0.853	45.319	0.047	13.0490	3.874	<0.001	0.291	2.749
		SP1422	3	4	1	LIM	0.977	45.485	0.062	12.7650	3.662	<0.001	0.416	2.552
		SP1423	4	5	1	LIM	1.219	47.045	0.09	11.2340	2.81	<0.001	0.396	2.582
		SP1424	5	6	1	LIM	1.343	46.597	0.071	11.0430	3.36	<0.001	0.627	2.744
		SP1425	6	7	1	LIM	1.451	46.356	0.079	10.7680	3.442	<0.001	0.738	2.993
		SP1426	7	8	1	LIM	1.57	44.893	0.082	12.2490	3.485	<0.001	0.511	2.943
		SP1427	8	9	1	SAP	1.771	46.328	0.09	8.915	3.676	<0.001	0.708	3.343
		SP1428	9	10	1	SAP	1.704	44.514	0.142	9.072	4.637	0.024	0.792	3.375
		SP1429	10	11	1	SAP	2.13	39.618	0.074	7.581	10.851	0.127	3.3	3.035
		SP1430	11	12	1	SAP	2.082	11.08	0.025	2.348	42.315	0.801	27.591	0.78
		SP1431	12	13	1	SAP	1.3	15.918	0.036	4.079	40.092	0.335	31.178	1.136
		SP1432	13	14	1	SAP	1.678	10.656	0.025	2.821	43.942	0.171	34.953	0.746
		SP1433	14	15	1	SAP	1.755	12.041	0.026	3.474	43.366	1.133	27.172	0.847

		SP1462	15	16	1	SAP	2.09	13.924	0.031	4.127	42.773	0.658	23.796	0.997
		SP1463	16	17	1	SAP	2.258	11.349	0.025	2.539	40.844	0.419	27.494	0.751
		SP1464	17	18	1	SAP	2.388	17.173	0.04	1.885	36.787	0.262	26.176	1.155
		SP1465	18	19	1	SAP	1.922	17.288	0.041	2.962	37.852	0.222	26.654	1.066
		SP1466	19	19.5	0.5	SAP	2.553	14.061	0.032	3.232	39.908	0.684	26.7	1.071
		SP1467	19.5	20	0.5	SAP	1.562	7.807	0.018	2.309	43.277	1.031	32.469	0.513
		SP1468	20	21	1	SAP	1.401	8.316	0.018	2.324	43.623	1.093	31.975	0.532
		SP1469	21	21.4	0.4	SAP	1.517	7.169	0.016	1.585	37.91	0.288	30.55	0.442
		SP1470	21.4	22	0.6	SAP	1.724	11.678	0.026	2.662	41.56	1.7	27.125	0.859
		SP1471	22	22.2	0.2	SAP	1.575	11.809	0.027	3.019	42.436	1.368	27.383	0.926
		SP1472	22.2	23	0.8	BRK	0.898	6.695	0.015	1.926	43.419	0.976	34.681	0.427
8	MP0120	SP1473	0	1	1	LIM	1.021	45.147	0.083	11.08	5.899	0.002	0.61	2.51
		SP1474	1	2	1	LIM	1.009	45.316	0.077	11.429	5.395	<0.001	0.571	2.502
		SP1475	2	3	1	LIM	0.898	44.462	0.047	12.896	5.813	<0.001	0.396	2.471
		SP1476	3	4	1	LIM	0.976	44.679	0.063	12.499	5.73	<0.001	0.529	2.255
		SP1477	4	5	1	LIM	1.222	45.617	0.093	10.657	5.632	<0.001	1.369	2.068
		SP1478	5	6	1	LIM	1.245	47.099	0.093	8.293	5.915	<0.001	1.643	2.07
		SP1479	6	7	1	LIM	1.251	45.113	0.112	8.014	7.258	0.004	2.182	2.419
		SP1480	7	7.65	0.65	LIM	1.306	46.612	0.082	7.884	5.708	0.009	1.408	2.862
		SP1481	7.65	8	0.35	SAP	1.739	30.164	0.061	7.538	23.871	0.406	3.098	2.16
		SP1482	8	9	1	SAP	1.867	22.714	0.042	4.816	33.019	0.438	6.57	1.367
		SP1483	9	10	1	SAP	1.201	42.103	0.075	5.363	13.545	0.028	5.259	2.613
		SP1484	10	11	1	SAP	1.503	36.653	0.064	5.538	20.131	0.057	3.935	1.985
		SP1485	11	11.4	0.4	SAP	1.567	22.081	0.039	2.174	32.116	0.055	17.053	1.027
		SP1486	11.4	12	0.6	SAP	1.695	12.248	0.028	2.91	41.494	1.1	25.251	1.09
		SP1487	12	12.3	0.3	SAP	1.731	9.514	0.021	2.221	43.158	0.974	29.338	0.737
		SP1488	12.3	12.8	0.5	SAP	2.107	6.893	0.015	1.317	43.313	0.732	32.15	0.471
		SP1489	12.8	13	0.2	SAP	1.86	11.138	0.025	2.526	45.39	0.55	29.894	0.854
		SP1490	13	14	1	SAP	1.86	9.286	0.021	1.418	43.71	0.449	29.482	0.66
		SP1491	14	15	1	SAP	1.017	7.081	0.016	1.975	46.056	0.223	35.446	0.546

		SP1492	15	16	1	SAP	0.964	7.517	0.017	2.591	48.43	0.913	32.62	0.729
		SP1493	16	17	1	SAP	0.877	9.354	0.02	1.833	45.916	0.613	27.998	0.63
		SP1494	17	18	1	SAP	0.742	8.54	0.019	1.489	44.102	0.754	30.052	0.585
		SP1495	18	19	1	SAP	1.31	11.592	0.027	2.178	45.709	0.527	26.334	1.008
		SP1496	19	19.3	0.3	SAP	1.905	15.478	0.036	0.494	37.558	0.031	26.319	0.843
		SP1497	19.3	19.6	0.3	SAP	0.696	6.52	0.015	0.454	42.413	0.066	37.376	0.389
		SP1498	19.6	20	0.4	SAP	1.72	14.081	0.032	2.288	42.996	0.707	25.558	0.986
		SP1499	20	21	1	SAP	1.418	9.298	0.02	1.693	43.031	0.648	28.257	0.644
		SP1500	21	22	1	SAP	1.243	10.229	0.023	2.388	44.648	0.542	27.747	0.802
		SP1501	22	23	1	SAP	1.114	8.694	0.019	2.059	43.409	0.692	29.147	0.616
9	MP0121	SP1256	0	1	1	LIM	0.786	42.205	0.081	11.348	8.464	<0.001	0.391	2.464
		SP1257	1	2	1	LIM	1.079	45.345	0.095	11.082	3.055	<0.001	0.407	2.632
		SP1258	2	3	1	LIM	1.296	48.698	0.086	8.762	2.55	<0.001	0.423	2.687
		SP1259	3	4	1	LIM	1.213	48.594	0.127	8.017	2.886	<0.001	0.409	2.215
		SP1260	4	5	1	LIM	1.045	45.912	0.132	10.664	2.929	<0.001	0.393	2.302
		SP1261	5	6	1	LIM	0.96	39.62	0.213	13.74	3.222	<0.001	0.293	2.548
		SP1262	6	7	1	LIM	0.914	44.234	0.083	13.733	4.147	<0.001	0.509	2.309
		SP1263	7	8	1	LIM	0.771	37.984	0.082	17.715	8.372	<0.001	0.276	1.838
		SP1264	8	9	1	LIM	0.849	32.587	0.089	18.36	14.977	<0.001	0.522	1.67
		SP1265	9	10	1	SAP	1.489	41.054	0.089	6.53	13.995	0.107	2.437	1.64
		SP1266	10	11	1	SAP	2.107	44.297	0.082	4.192	9.673	0.075	2.453	2.861
		SP1267	11	12	1	SAP	1.876	45.003	0.082	2.273	11.977	0.043	1.837	2.352
		SP1268	12	13	1	SAP	1.97	39.054	0.075	5.035	15.468	0.075	3.139	1.857
		SP1269	13	14	1	SAP	1.78	34.475	0.062	8.159	16.934	0.229	3.723	1.846
		SP1270	14	14.4	0.4	SAP	1.301	8.928	0.02	3.704	39.611	1.054	29.537	0.643
		SP1271	14.4	15	0.6	SAP	1.863	21.41	0.038	3.237	27.089	0.56	11.935	1.681
		SP1272	15	15.6	0.6	SAP	0.428	7.843	0.02	1.602	40.671	0.318	34.33	0.61
		SP1273	15.6	16	0.4	SAP	1.141	7.897	0.018	1.768	41.549	0.238	34.006	0.574
		SP1274	16	16.5	0.5	SAP	1.258	7.365	0.018	2.284	42.865	0.42	33.224	0.517
		SP1275	16.5	17	0.5	SAP	1.139	8.632	0.017	6.694	44.585	2.475	26.262	0.501

		SP1276	17	18	1	SAP	1.078	8.804	0.019	6.185	43.92	1.491	29.12	0.551
		SP1277	18	19	1	SAP	1.005	8.367	0.016	7.604	43.474	0.406	27.109	0.419
		SP1278	19	20	1	SAP	1.418	7.007	0.016	1.602	45.981	0.239	33.616	0.397
10	MP0124	SP1279	0	1	1	LIM	0.71	46.75	0.07	8.79	4.86	0.07	1.35	2.36
		SP1280	1	2	1	LIM	0.73	47.58	0.07	9.27	4.36	0.07	1.15	2.31
		SP1281	2	3	1	LIM	0.74	47.98	0.07	9.59	4.17	0.07	1.21	2.29
		SP1282	3	4	1	LIM	0.76	45.99	0.09	9.72	3.77	0.07	1.08	3.06
		SP1283	4	5	1	LIM	0.76	45.92	0.08	9.5	4.19	0.07	1	3.14
		SP1284	5	6	1	LIM	0.88	44.17	0.11	12.41	3.74	0.06	0.99	2.88
		SP1285	6	7	1	LIM	0.9	43.33	0.12	12.97	3.22	0.06	1.07	2.76
		SP1319	7	8	1	LIM	1.09	42.7	0.15	12.62	2.96	0.07	1.38	2.62
		SP1320	8	9	1	LIM	1.11	38.8	0.15	17.18	4.37	0.06	1.56	3.2
		SP1321	9	9.6	0.6	LIM	1.43	40.38	0.14	11.94	6.67	0.08	1.35	3.26
		SP1322	9.6	10	0.4	SAP	1.63	24.23	0.12	14.04	26.79	0.53	7.01	2.45
		SP1323	10	11	1	SAP	1.92	26.47	0.13	10.26	28.08	0.44	5	2.67
		SP1324	11	12	1	SAP	2.05	25.89	0.12	7.41	30.08	0.35	7.22	2.2
		SP1325	12	12.35	0.35	SAP	0.87	45.75	0.1	10.45	3.51	0.07	1.22	2.75
		SP1326	12.4	13	0.65	SAP	1.46	8.75	0.1	3.91	40.6	0.63	28.51	0.54
		SP1327	13	14	1	SAP	1.42	7.59	0.1	3.95	40.75	0.7	31.23	0.51
		SP1328	14	15	1	SAP	0.92	42.23	0.11	12.05	5.5	0.08	1.47	2.6
		SP1329	15	15.73	0.73	SAP	1.67	9.02	0.11	4.12	41.25	0.51	27.12	0.64
		SP1330	15.7	16	0.27	SAP	1.69	10.66	0.1	4.72	41.62	0.46	24.18	0.8
		SP1331	16	16.19	0.19	SAP	1.3	8.45	0.1	4.51	41.03	0.62	29.09	0.54
		SP1332	16.2	16.54	0.35	SAP	1.65	10.4	0.1	4.18	42.39	0.39	24.66	0.72
		SP1333	16.5	17	0.46	SAP	1.45	8.57	0.1	4.18	41.19	0.7	28.46	0.5
		SP1334	17	17.35	0.35	SAP	1.44	8.06	0.1	3.22	43.43	0.4	28.69	0.47
		SP1335	17.4	17.76	0.41	SAP	1.47	10.32	0.1	4.18	40.24	0.76	27.4	0.74
		SP1336	17.8	18	0.24	SAP	1.43	9.75	0.11	4.64	39.97	0.37	26.96	0.58
		SP1337	18	18.45	0.45	SAP	1.6	12.85	0.1	4.77	42.77	0.28	20.95	0.98
		SP1338	18.5	19	0.55	BRK	1.13	7.28	0.1	4.04	39.98	0.53	31.99	0.45

		SP1339	19	20	1	BRK	1.09	7.5	0.1	4.27	38.72	1.55	30.59	0.49
11	MP0125	SP1340	0	1	1	LIM	0.69	41.15	0.07	11.72	6.87	0.08	1.46	2.45
		SP1341	1	2	1	LIM	0.76	41.85	0.09	11.54	6.79	0.09	1.71	2.46
		SP1374	2	3	1	LIM	0.77	42.94	0.1	11.02	5.6	0.07	1.28	2.57
		SP1375	3	4	1	LIM	0.73	43.4	0.1	11.75	4.9	0.07	1.08	2.55
		SP1376	4	5	1	LIM	0.75	43.47	0.1	12.69	4.46	0.07	1.02	2.52
		SP1377	5	6	1	LIM	0.74	43.44	0.1	11.67	3.12	0.07	1.16	2.65
		SP1378	6	7	1	LIM	0.85	45.25	0.1	10.2	3.31	0.06	1.03	2.64
		SP1379	7	8	1	LIM	0.99	47.66	0.12	8.4	2.73	0.06	0.99	2.74
		SP1380	8	9	1	LIM	1.03	46.69	0.14	8.86	2.27	0.06	1.03	2.86
		SP1381	9	10	1	LIM	1.07	46.41	0.11	8.24	4.24	0.06	1.09	3.1
		SP1382	10	11	1	LIM	1.17	47.06	0.11	7.71	3.77	0.07	0.98	3.57
		SP1383	11	12	1	LIM	1.06	42.75	0.12	9.28	7.45	0.06	1.11	2.92
		SP1384	12	13	1	LIM	1.05	38.24	0.13	8.71	14.56	0.06	1.9	2.33
		SP1385	13	14	1	LIM	1.48	41.82	0.14	7.4	8.69	0.07	1.52	3.45
		SP1386	14	15	1	LIM	1.31	37.56	0.14	12.58	9.89	0.08	1.67	2.71
		SP1387	15	16	1	SAP	2.24	27.18	0.12	9.74	25.85	0.18	5.53	2.01
		SP1388	16	17	1	SAP	2.08	29.67	0.13	9.54	21.53	0.21	4.19	2.98
		SP1389	17	17.54	0.54	SAP	1.97	9.53	0.11	4.39	41.27	0.43	25.09	0.67
		SP1390	17.5	18	0.46	SAP	2.37	15.08	0.1	5.23	38.33	0.22	18.79	1.17
		SP1391	18	18.56	0.56	SAP	2.26	10.55	0.1	4.56	42.37	0.36	24.04	0.7
		SP1392	18.6	19	0.44	SAP	1.87	10.88	0.09	4.43	42.92	0.16	24.61	0.72
		SP1393	19	20	1	SAP	1.61	16.61	0.1	5.76	41.42	0.18	13.75	1.1
		SP1394	20	21	1	SAP	1.91	13.01	0.09	4.88	41.58	0.29	22.49	0.78
		SP1395	21	21.5	0.5	SAP	1.9	13.36	0.1	5.37	39.81	0.29	22.54	0.93
		SP1396	21.5	21.76	0.26	SAP	1.9	11.58	0.1	4.5	39.39	0.4	23.28	0.8
		SP1397	21.8	22	0.24	SAP	1.78	14.86	0.1	4.99	39.92	0.29	19.17	0.94
		SP1398	22	22.33	0.33	SAP	1.67	12.53	0.1	4.67	41.44	0.34	22.92	0.82
		SP1399	22.3	22.57	0.24	SAP	1.73	9.92	0.1	4.01	40.32	0.39	26.17	0.61
		SP1400	22.6	23	0.43	SAP	2.22	14.05	0.1	4.23	38.95	0.2	19.12	0.79

		SP1401	23	23.57	0.57	SAP	1.15	7.29	0.1	3.89	39.46	0.74	30.99	0.52
		SP1402	23.6	24	0.43	SAP	2.65	24.51	0.12	7.04	30.77	0.35	10.35	2.23
		SP1403	24	25	1	SAP	2.01	16.86	0.11	5.94	38.32	0.53	14.73	1.47
12	MP0126	SP1234	0	1	1	LIM	0.84	41.75	0.11	12.44	5.76	0.08	1.45	2.61
		SP1235	1	2	1	LIM	0.91	41.94	0.12	12.31	5.6	0.08	1.51	2.62
		SP1236	2	3	1	LIM	0.85	43.43	0.1	12.62	5.06	0.07	1.19	2.43
		SP1237	3	4	1	LIM	0.76	43.27	0.09	13.79	3.89	0.07	1.15	2.45
		SP1238	4	5	1	LIM	0.82	44.13	0.11	13.33	3.1	0.06	1.12	2.54
		SP1239	5	6	1	LIM	0.79	43.04	0.1	14.11	2.99	0.06	1.04	2.5
		SP1240	6	7	1	LIM	0.82	41.67	0.1	14.37	4.13	0.06	1.05	2.49
		SP1241	7	8	1	LIM	0.83	40.52	0.09	15.73	5.88	0.06	1.76	2.53
		SP1242	8	9	1	LIM	0.58	28.24	0.1	9.79	31.25	0.07	2.49	1.98
		SP1243	9	10	1	LIM	0.73	28.9	0.11	7.52	32.22	0.07	1.91	2.08
		SP1244	10	11	1	LIM	0.95	35.73	0.13	10.15	18.7	0.08	1.24	2.39
		SP1245	11	12	1	LIM	1.23	44.01	0.13	5.59	8.29	0.08	1.5	3.03
		SP1246	12	13	1	LIM	1.22	48.4	0.11	4.05	7.1	0.07	1.06	2.58
		SP1247	13	14	1	LIM	1.45	45.37	0.16	6.37	4.52	0.07	1.22	3.91
		SP1248	14	15	1	LIM	1.58	42.4	0.15	6.78	7.23	0.13	1.5	2.92
		SP1249	15	16	1	SAP	1.59	28.43	0.11	6	28.45	0.42	5.06	1.77
		SP1250	16	17	1	SAP	0.87	13.62	0.09	9.34	43.51	0.23	13.63	1.05
		SP1251	17	18	1	SAP	0.97	5.94	0.08	2.37	48.22	0.07	30.29	0.3
		SP1252	18	19	1	SAP	0.43	8.78	0.05	3.45	59.92	0.09	10.32	0.65
		SP1253	19	20	1	SAP	1.37	8.05	0.08	3.58	48.1	0.11	24.82	0.45
		SP1254	20	21	1	SAP	1.05	6.13	0.08	3.02	46.87	0.25	28.06	0.38
		SP1255	21	22	1	SAP	1.17	8.07	0.09	2.9	44.53	0.09	29.54	0.48
		SP1256	22	22.2	0.2	SAP	1.48	8.46	0.09	3.84	43.4	0.1	28.84	0.61
		SP1257	22.2	22.4	0.2	SAP	1.3	9.57	0.08	4.16	48.03	0.56	20.86	0.65
		SP1258	22.4	23	0.6	SAP	1.04	6.31	0.08	2.48	45.96	0.07	29.74	0.71
		SP1259	23	24	1	SAP	1.24	9.92	0.08	4.93	45.93	0.33	22.65	0.63
		SP1260	24	25	1	SAP	1.16	8.56	0.09	3.92	44.99	0.52	26.12	0.58

13	MP0128	SP331	0	1	1	LIM	0.7	45.13	0.06	8.63	4.99	0.08	1.9	2.62
		SP332	1	2	1	LIM	0.74	46.24	0.07	10.16	3.23	0.07	1.2	2.79
		SP333	2	3	1	LIM	0.74	46.41	0.08	9.43	2.12	0.07	1.05	2.75
		SP334	3	4	1	LIM	0.81	46.81	0.13	8.84	2.12	0.07	1.01	2.55
		SP335	4	5	1	LIM	0.96	47.74	0.13	7.57	1.96	0.07	1.06	2.9
		SP336	5	6	1	LIM	1.05	48.43	0.17	6.91	1.8	0.06	1.02	2.97
		SP337	6	7	1	LIM	1.08	48.73	0.1	6.99	1.79	0.06	1	3.78
		SP338	7	8	1	LIM	0.89	48.52	0.11	7.89	2.06	0.07	1.22	3.38
		SP339	8	9	1	LIM	0.95	48.62	0.12	8.01	1.79	0.06	1.09	3.17
		SP340	9	10	1	LIM	1.07	47.34	0.14	7.18	1.86	0.07	1.1	3.41
		SP341	10	11	1	LIM	1.14	48.31	0.13	7.04	1.84	0.06	1.04	3.43
		SP342	11	12	1	LIM	1.14	45.75	0.13	7.88	2.19	0.07	1.21	3.91
		SP343	12	13	1	LIM	1.27	42.34	0.13	7.93	4.95	0.07	2.24	4.37
		SP344	13	14	1	LIM	1.58	43.54	0.16	5.78	5.06	0.08	2.02	3.64
		SP345	14	15	1	SAP	2.04	18.46	0.12	5.32	35.09	0.22	18.03	1.12
		SP346	15	16	1	SAP	1.58	8.97	0.11	3.74	40.48	0.65	27.08	0.59
		SP347	16	17	1	SAP	1.67	16.37	0.11	4.57	37.29	0.9	19.08	1.01
		SP348	17	18	1	SAP	1.66	8.78	0.11	3.69	40.52	0.73	27.01	0.48
		SP349	18	19	1	SAP	1.13	9.68	0.1	7.62	36.58	1.67	26.71	0.53
		SP350	19	20	1	SAP	0.45	7.55	0.09	3.42	42.61	0.94	30.66	0.44
		SP351	20	21	1	BRK	0.68	12.11	0.09	3.94	38.69	0.39	25.91	0.7
		SP352	21	22	1	BRK	0.44	11.09	0.09	3.59	40.36	0.34	26.46	0.69
14	MP0201	SP362	0	1	1	LIM	0.89	44.91	0.12	7.53	7.95	0.08	2.48	2.132
		SP363	1	2	1	LIM	0.93	46.76	0.12	7.64	6.96	0.07	1.77	2.188
		SP364	2	3	1	LIM	0.97	47.41	0.13	7.66	6.22	0.07	1.38	2.295
		SP365	3	4	1	LIM	0.92	48.34	0.13	7.87	5.27	0.06	0.96	3.097
		SP366	4	5	1	LIM	0.85	48.77	0.12	7.95	5.38	0.06	0.78	2.958
		SP367	5	6	1	LIM	0.84	47.34	0.11	9.05	5.61	0.05	0.6	2.691
		SP368	6	7	1	LIM	0.87	48.05	0.12	9.42	4.81	0.04	0.38	0.569
		SP369	7	8	1	LIM	0.96	48.51	0.13	8.47	4.72	0.04	0.56	0.56

		SP370	8	9	1	LIM	0.8	48.25	0.13	9.19	4.11	0.04	0.43	2.12
		SP371	9	10	1	LIM	0.81	47.4	0.12	9.98	4.52	0.04	0.32	2.798
		SP372	10	11	1	LIM	0.85	47.54	0.13	10.12	4.71	0.04	0.38	2.682
		SP373	11	12	1	LIM	0.97	47.81	0.13	9.05	4.57	0.07	0.36	2.337
		SP374	12	13	1	LIM	1.01	47.02	0.13	8.96	5.83	0.05	0.38	1.134
		SP375	13	14	1	LIM	1	47.93	0.13	8.04	6.04	0.05	0.42	1.423
		SP376	14	15	1	LIM	1.3	44.25	0.14	7.14	10.83	0.05	1.55	0.914
		SP377	15	15.45	0.45	SAP	1.21	43.04	0.13	7.96	13.39	0.05	0.84	0.454
		SP378	15.5	16	0.55	SAP	1.17	41.13	0.13	9.68	14.02	0.05	1.46	0.625
		SP379	16	17	1	SAP	1.25	37.17	0.11	10.69	16.89	0.09	1.88	0.538
		SP380	17	18	1	SAP	1.89	40.29	0.11	7.79	14.24	0.08	1.4	0.437
		SP381	18	19	1	SAP	1.72	42.4	0.13	4.76	13.9	0.08	2.24	0.445
		SP382	19	19.5	0.5	SAP	2.03	36.07	0.11	5.08	20.76	0.24	3.59	0.422
		SP383	19.5	20	0.5	SAP	2.25	30.22	0.09	5.22	26.1	0.37	6.24	0.46
		SP384	20	21	1	SAP	2.42	23.31	0.06	3.96	29.89	0.32	13.49	0.612
		SP385	21	21.6	0.6	SAP	2.29	17.35	0.05	3.68	35.19	0.36	17.88	0.524
		SP386	21.6	22	0.4	SAP	2.43	20.96	0.06	2.39	32.06	0.74	16.78	0.471
		SP387	22	23	1	SAP	2.19	11.93	0.03	1.79	40.36	0.72	23.16	0.51
		SP388	23	23.7	0.7	SAP	0.92	5.21	0.01	9.55	39.15	0.54	28.27	0.522
		SP389	23.7	24	0.3	SAP	1.43	15.78	0.04	2.5	35.53	0.87	23.55	0.482
		SP390	24	25	1	SAP	2.06	15.67	0.04	2.47	35.71	0.48	21.6	0.44
		SP391	25	25.3	0.3	SAP	1.85	13.25	0.03	2.4	39.38	0.58	22.09	0.447
		SP392	25.3	25.8	0.5	BRK	1.58	15.97	0.04	2.64	36.4	0.5	21.24	0.478
		SP393	25.8	26	0.2	BRK	1.48	13.41	0.03	1.81	40.12	1.03	22.27	0.461
15	MP0200	SP394	0	1	1	LIM	0.88	46.09	0.12	7.4	7.13	0.09	1.21	2.206
		SP395	1	2	1	LIM	0.98	47.15	0.12	7.67	6.02	0.1	1.09	2.11
		SP396	2	3	1	LIM	1.02	47.49	0.13	7.77	5.86	0.08	0.92	2.324
		SP397	3	4	1	LIM	1	47.44	0.13	7.9	5.2	0.08	0.9	2.477
		SP398	4	5	1	LIM	0.87	48.08	0.12	8.17	5.1	0.08	0.56	1.128
		SP399	5	6	1	LIM	0.86	47.14	0.12	9.23	5.22	0.08	0.34	1.117

		SP400	6	7	1	LIM	0.92	47.54	0.12	8.91	5.02	0.08	0.28	0.589
		SP401	7	8	1	LIM	0.94	46.79	0.12	9.65	5.5	0.08	0.22	0.817
		SP402	8	9	1	LIM	0.91	47.08	0.12	9.87	4.61	0.08	0.26	1.029
		SP403	9	10	1	LIM	0.87	46.83	0.13	10.06	4.3	0.08	0.27	0.645
		SP404	10	11	1	LIM	0.89	46.78	0.13	9.88	4.8	0.08	0.24	0.868
		SP405	11	12	1	LIM	1.01	45.92	0.13	9.69	6.35	0.08	0.34	1.233
		SP406	12	13	1	LIM	1.16	43.34	0.15	7.66	11.11	0.08	1.63	1.097
		SP407	13	13.6	0.6	LIM	1.24	45.37	0.14	4.31	11.91	0.08	0.74	0.67
		SP408	13.6	14	0.4	LIM	1.18	43.37	0.12	4.04	16.73	0.08	0.73	1.17
		SP409	14	15	1	LIM	1.25	41.55	0.13	5.21	15.3	0.08	2.95	0.7
		SP410	15	16	1	SAP	1.84	37.77	0.12	5.72	17.16	0.08	2.35	0.72
		SP411	16	17	1	SAP	1.58	39.45	0.11	4.29	18.49	0.08	2.52	1.1
		SP412	17	18	1	SAP	1.29	37.43	0.1	3.45	22.4	0.08	4.19	0.78
		SP413	18	19	1	SAP	1.19	40.13	0.1	3.03	21.33	0.08	2.41	0.93
		SP414	19	20	1	SAP	1.62	29.38	0.09	5.67	25.98	0.51	7.59	1.071
		SP415	20	21	1	SAP	1.96	22.48	0.06	2.96	34.06	0.54	12.23	0.513
		SP416	21	21.6	0.6	SAP	1.86	17.65	0.05	1.08	31.84	0.15	24.65	0.532
		SP417	21.6	22	0.4	SAP	1.2	23.94	0.07	2.48	37.77	0.38	11.08	0.442
		SP418	22	23	1	SAP	1.74	14.66	0.04	2.1	35.89	0.34	21.75	0.532
		SP419	23	23.25	0.25	SAP	1.6	8.17	0.02	1.26	46.33	0.62	26.82	0.443
		SP420	23.3	24	0.75	SAP	2.04	16.65	0.04	2.32	39.43	0.44	16.85	0.507
		SP421	24	25	1	SAP	2.2	16.49	0.04	2.21	40.22	0.45	17.02	0.974
		SP422	25	25.5	0.5	SAP	1.42	8.53	0.02	1.03	46.09	0.5	26.23	0.459
		SP423	25.5	26	0.5	SAP	1.82	18.16	0.05	2.15	37.6	0.45	17.03	0.479
		SP424	26	26.3	0.3	BRK	1.34	17.58	0.05	2.75	36.7	0.6	17.28	0.478
		SP425	26.3	26.5	0.2	BRK	1.02	6.4	0.01	1.1	46.95	1.26	28.69	0.461
16	MP0198	SP426	0	1	1	LIM	0.84	46.32	0.12	7.54	8.32	0.08	0.65	1.935
		SP427	1	2	1	LIM	0.93	48.39	0.12	7.69	5.54	0.09	0.76	2.157
		SP428	2	3	1	LIM	0.96	48.47	0.12	7.87	4.84	0.06	0.73	2.535
		SP429	3	4	1	LIM	0.85	48.9	0.13	8.11	4.85	0.06	0.56	2.658

		SP430	4	5	1	LIM	0.78	49.11	0.12	8.26	5.2	0.05	0.37	1.422
		SP431	5	6	1	LIM	0.81	47.46	0.11	9.25	5.66	0.05	0.21	2.087
		SP432	6	7	1	LIM	0.8	48.09	0.12	9.51	4.97	0.04	0.17	1.557
		SP433	7	8	1	LIM	0.83	48.11	0.12	9.63	5	0.05	0.2	1.86
		SP434	8	9	1	LIM	0.77	48.06	0.12	9.48	4.37	0.04	0.18	1.84
		SP435	9	10	1	LIM	0.74	46.95	0.12	10.73	4.88	0.04	0.17	0.821
		SP436	10	11	1	LIM	0.76	47.45	0.12	10.05	5.16	0.04	0.18	1.209
		SP437	11	12	1	LIM	0.74	44.3	0.13	11.7	7.01	0.04	0.17	1.205
		SP438	12	13	1	LIM	0.82	46.07	0.11	9	6.63	0.05	0.19	1.117
		SP439	13	14	1	LIM	0.98	46.91	0.13	8.88	6	0.06	0.3	0.935
		SP440	14	15	1	LIM	0.93	40.77	0.11	7.58	16.7	0.05	0.69	1.032
		SP441	15	16	1	LIM	1.15	45.36	0.12	5.54	12.76	0.06	1.12	0.853
		SP442	16	17	1	LIM	1.2	43.98	0.12	3.91	15.69	0.06	0.78	0.624
		SP443	17	18	1	LIM	1.32	45.3	0.12	4.57	13.33	0.06	0.89	0.773
		SP444	18	19	1	LIM	1.29	38.77	0.1	5.23	17.89	0.14	4.11	0.472
		SP445	19	20	1	SAP	1.99	32.92	0.09	4.04	23.68	0.33	6.12	0.694
		SP446	20	21	1	SAP	2.02	14.97	0.04	2.07	35.87	0.19	22.96	0.484
		SP447	21	22	1	SAP	1.77	14.26	0.04	4.04	37.47	0.18	21.27	0.414
		SP448	22	22.3	0.3	SAP	2.21	18.14	0.05	2.99	36.03	0.24	17	0.427
		SP449	22.3	23	0.7	SAP	1.97	15.05	0.04	2.49	39.47	0.33	19.13	0.395
		SP450	23	23.6	0.6	SAP	1.9	13.69	0.03	1.99	42.65	0.4	20.01	0.412
		SP451	23.6	24	0.4	SAP	1.38	9.41	0.02	1.51	44.78	0.48	24.89	0.467
17	MP0142	SP452	0	1	1	LIM	0.78	45.56	0.12	7.63	7.63	0.06	1.85	2.063
		SP453	1	2	1	LIM	0.84	47.37	0.12	7.74	6.56	0.07	0.86	2.061
		SP454	2	3	1	LIM	0.89	47.57	0.12	7.7	6.12	0.07	0.94	2.286
		SP455	3	4	1	LIM	0.82	47.72	0.12	7.94	5.43	0.06	0.84	2.039
		SP456	4	5	1	LIM	0.79	47.35	0.12	8.91	5.74	0.05	0.69	2.381
		SP457	5	6	1	LIM	0.74	46.74	0.1	8.95	6.51	0.08	0.38	2.087
		SP458	6	7	1	LIM	0.81	47.32	0.11	9.2	5.34	0.05	0.48	2.353
		SP459	7	8	1	LIM	0.81	48.07	0.11	9.16	5.46	0.06	0.36	1.768

		SP460	8	9	1	LIM	0.77	49.14	0.12	8.51	4.4	0.05	0.31	1.618
		SP461	9	10	1	LIM	0.75	46.5	0.11	10.17	4.94	0.05	0.19	1.973
		SP462	10	11	1	LIM	0.84	47.43	0.12	9.93	5.25	0.07	0.29	1.236
		SP463	11	12	1	LIM	0.89	46.21	0.12	10.02	5.98	0.06	0.21	1.364
		SP464	12	13	1	LIM	1.05	47.22	0.12	8.64	5.37	0.07	0.26	0.851
		SP465	13	14	1	SAP	1.26	45.83	0.12	4.08	13.91	0.05	0.49	0.994
		SP466	14	15	1	SAP	1.43	46.39	0.13	6.4	7.63	0.05	0.6	1.436
		SP467	15	16	1	SAP	1.66	43.8	0.12	7.54	10.12	0.06	0.87	1.525
		SP468	16	17	1	SAP	1.52	43.45	0.11	4.15	15.13	0.06	1.79	1.998
		SP469	17	18	1	SAP	1.73	46.2	0.12	5.57	9.58	0.07	0.66	1.582
		SP470	18	19	1	SAP	1.6	41.04	0.11	6.58	13.15	0.14	4.14	1.784
		SP471	19	20	1	SAP	1.79	21.71	0.06	3.55	33.3	0.53	15.61	1.17
		SP472	20	20.62	0.62	SAP	1.62	12.15	0.03	1.76	40.3	0.19	25.84	0.632
		SP473	20.6	21	0.38	SAP	2.41	7.12	0.01	0.66	42.18	0.06	30.39	0.542
		SP474	21	22	1	SAP	2.81	15.17	0.04	2.4	35.09	0.28	22.76	0.599
		SP475	22	23	1	SAP	2.62	23.28	0.06	3.44	28.55	0.52	16.93	0.65
		SP476	23	24	1	SAP	2.67	28.24	0.08	3.85	27.53	0.51	13.38	1.396
		SP477	24	24.2	0.2	SAP	1.82	7.48	0.02	1.35	41.69	0.75	31.36	0.512
18	MP0129	SP478	0	1	1	LIM	0.87	45.76	0.12	6.99	7.14	0.15	2.14	2.447
		SP479	1	2	1	LIM	0.95	46.87	0.12	7.03	6.42	0.14	1.85	2.453
		SP480	2	3	1	LIM	0.91	47.55	0.13	7.45	5.87	0.09	1.44	1.797
		SP481	3	4	1	LIM	0.83	48.24	0.12	8.11	4.89	0.07	0.97	1.852
		SP482	4	5	1	LIM	0.81	47.09	0.11	8.79	5.73	0.06	0.49	2.435
		SP483	5	6	1	LIM	0.82	48.48	0.12	8.12	5.36	0.05	0.41	1.826
		SP484	6	7	1	LIM	0.85	48.55	0.12	7.84	5.46	0.05	0.62	1.011
		SP485	7	8	1	LIM	0.96	48.82	0.13	7.21	4.94	0.05	0.75	0.788
		SP486	8	9	1	LIM	0.9	47.68	0.13	8.43	5.75	0.04	0.41	1.071
		SP487	9	10	1	LIM	0.91	47.95	0.13	7.98	5.77	0.07	0.57	0.688
		SP488	10	11	1	LIM	0.95	47.59	0.13	8.15	6.66	0.05	0.44	0.515
		SP489	11	12	1	LIM	1.07	47.19	0.13	7.7	7.54	0.05	0.54	0.556

		SP490	12	13	1	LIM	1.15	45.14	0.13	8.24	9.39	0.06	1.13	1.365
		SP491	13	13.5	0.5	LIM	1.01	41.52	0.11	7.46	16.31	0.07	2.62	1.938
		SP492	13.5	14	0.5	SAP	1.38	43.28	0.12	5.84	13.41	0.06	2.1	1.526
		SP493	14	15	1	SAP	1.53	36.68	0.11	5.86	21.49	0.08	2.55	0.414
		SP494	15	16	1	SAP	1.52	31.34	0.09	4.47	25.77	0.14	7.36	0.427
		SP495	16	17	1	SAP	1.88	25.92	0.08	4.51	31.47	0.13	6.81	0.395
		SP496	17	17.42	0.42	SAP	1.99	29.02	0.09	3.85	27.52	0.16	7.99	0.412
		SP497	17.4	18	0.58	SAP	1.37	19.66	0.06	3.36	32.45	0.11	18.24	0.493
		SP498	18	19	1	SAP	1.34	19.84	0.06	3.1	32.53	0.13	17.13	0.439
		SP499	19	20	1	SAP	1.87	26.54	0.07	2.27	30.26	0.17	10.6	0.413
		SP500	20	20.75	0.75	SAP	1.45	24.34	0.07	3.94	32.3	0.22	10.26	0.58
		SP501	20.8	21	0.25	SAP	0.75	9.13	0.02	1.28	38.7	0.1	30.42	0.409
		SP502	21	21.3	0.3	SAP	0.51	7.23	0.02	0.91	39.64	0.09	33.65	0.395
		SP503	21.3	21.65	0.35	SAP	0.52	7.87	0.02	1.34	39.87	0.1	30.2	0.44
		SP504	21.7	22	0.35	SAP	0.37	7.87	0.02	1.19	39.74	0.23	31.1	0.435
		SP505	22	23	1	BRK	0.28	6.4	0.01	0.62	39.7	0.08	34.4	0.462
19	MP0199	SP506	0	1	1	LIM	0.81	46.28	0.12	8.66	7.74	0.09	1.01	2.106
		SP507	1	2	1	LIM	0.87	47.09	0.12	8.26	6.89	0.08	0.82	2.02
		SP508	2	3	1	LIM	0.78	44.85	0.11	7.6	9.89	0.06	0.98	2.6
		SP509	3	4	1	LIM	0.71	46.7	0.12	10	6.31	0.05	0.51	2.685
		SP510	4	5	1	LIM	0.65	45.18	0.11	11.06	6.98	0.05	0.43	3.209
		SP511	5	6	1	LIM	0.6	44.46	0.11	11.36	8.62	0.05	0.32	3.091
		SP512	6	7	1	LIM	0.7	45.79	0.1	10.55	6.95	0.05	0.26	2.581
		SP513	7	8	1	LIM	0.62	45.47	0.11	11.64	7.27	0.05	0.24	2.88
		SP514	8	9	1	LIM	0.59	44.92	0.11	12.02	7.9	0.05	0.22	3.075
		SP515	9	10	1	LIM	0.73	47.48	0.11	10.74	4.19	0.06	0.15	3.112
		SP516	10	11	1	LIM	0.74	47.69	0.12	10.67	4.3	0.04	0.16	2.014
		SP517	11	12	1	LIM	0.75	48.17	0.11	10.89	4.82	0.06	0.17	2.744
		SP518	12	13	1	LIM	0.78	47.38	0.12	10.34	4.06	0.05	0.15	2.314
		SP519	13	14	1	LIM	0.79	46.69	0.13	10.27	4.21	0.06	0.16	2.051

		SP520	14	15	1	LIM	0.87	42.97	0.13	8.03	12.38	0.05	0.14	2.106
		SP521	15	16	1	SAP	0.93	43.76	0.12	8.46	10.93	0.07	0.47	1.98
		SP522	16	17	1	SAP	1.05	36.54	0.1	4.2	23.94	0.21	4.65	2.829
		SP523	17	17.5	0.5	SAP	1.21	14.37	0.04	2.62	41.58	0.49	19.99	0.992
		SP524	17.5	18	0.5	SAP	0.98	7.75	0.02	1.66	43.8	0.12	28.59	0.741
		SP525	18	18.45	0.45	SAP	0.75	7.69	0.02	1.36	44.01	0.39	29.23	1.615
		SP526	18.5	19	0.55	SAP	0.71	11.49	0.03	1.9	44.43	0.51	23.01	1.354
		SP527	19	19.55	0.55	BRK	0.37	7.25	0.02	1.42	43.93	0.38	29.51	0.626
		SP528	19.6	20	0.45	BRK	0.31	7.37	0.02	1.22	43.76	0.99	29.78	0.79
		SP529	20	20.46	0.46	BRK	0.33	6.82	0.01	1.44	41.97	0.28	32.1	0.462
		SP530	20.5	21	0.54	BRK	0.26	4.77	0.01	1.06	42.46	0.11	34.47	0.408
		SP531	21	22	1	BRK	0.43	6.36	0.01	1.14	42.28	0.74	31.17	0.405
20	MP0141	SP532	0	1	1	LIM	0.71	41.9	0.11	9.65	10.72	0.1	1.45	1.797
		SP533	1	2	1	LIM	0.72	42.74	0.1	9.46	9.93	0.68	1.92	0.666
		SP534	2	3	1	LIM	0.78	42.8	0.11	9.66	10.15	0.14	1.6	0.855
		SP535	3	4	1	LIM	0.77	42.84	0.11	10.42	9.51	0.11	1.33	0.652
		SP536	4	5	1	LIM	0.76	43.42	0.11	10.21	9.75	0.12	1.2	0.532
		SP537	5	6	1	LIM	0.73	44.36	0.1	10.16	8.38	0.11	0.69	0.912
		SP538	6	7	1	LIM	0.68	45.95	0.11	10.8	6.3	0.07	0.38	0.557
		SP539	7	8	1	LIM	0.69	44.07	0.12	10.74	5.09	0.08	0.36	0.579
		SP540	8	9	1	LIM	0.75	47.89	0.11	10.21	4.05	0.05	0.26	0.505
		SP541	9	10	1	LIM	0.89	48.42	0.13	9.87	3.62	0.06	0.32	0.434
		SP542	10	10.5	0.5	LIM	0.81	46.11	0.13	12.03	2.24	0.06	0.3	0.381
		SP543	10.5	11	0.5	SAP	1.3	52.56	0.05	4.7	2.06	0.05	0.45	0.445
		SP544	11	11.6	0.6	SAP	1.2	47.96	0.1	8.99	2.24	0.05	0.11	0.458
		SP545	11.6	12	0.4	SAP	1.35	46.4	0.02	10.11	2.77	0.04	0.23	0.442
		SP546	12	13	1	SAP	1.47	48.67	0.03	8.02	2.84	0.05	0.19	0.462
		SP547	13	14	1	SAP	1.44	46.14	0.04	9.28	4.13	0.07	0.23	0.441
		SP548	14	15	1	SAP	1.68	44	0.13	10.15	7.56	0.05	0.4	0.445
		SP549	15	16	1	SAP	1.34	47.15	0.13	6.95	3.9	0.06	0.33	0.469

		SP550	16	16.55	0.55	SAP	1.49	39.05	0.11	7.28	15.14	0.1	2.28	0.406
		SP551	16.6	17	0.45	SAP	2.19	21.97	0.06	5.74	32.19	0.25	11.88	0.501
		SP552	17	18	1	SAP	1.91	11.06	0.03	2.18	39.85	0.45	25.73	0.447
		SP553	18	19	1	SAP	1.77	11.6	0.03	1.88	40.93	0.62	24.24	0.519
		SP554	19	20	1	SAP	1.52	8.65	0.02	1.18	43.11	0.99	30.99	0.438
		SP555	20	21	1	SAP	1.03	12.36	0.03	2.15	41.2	0.63	23.89	0.428
		SP556	21	22	1	BRK	0.83	6.09	0.01	1.04	42.19	1.02	36.82	0.394
21	MP0137	SP557	0	1	1	LIM	0.59	39.68	0.1	8.73	13.21	0.1	2.95	2.512
		SP558	1	2	1	LIM	0.62	42.21	0.11	9.18	12.58	0.08	2.3	2.431
		SP559	2	3	1	LIM	0.68	42.29	0.11	9.47	12.44	0.08	1.83	2.519
		SP560	3	4	1	LIM	0.69	42.47	0.11	10.07	11.17	0.07	1.21	2.405
		SP561	4	5	1	LIM	0.75	43.74	0.11	9.44	10.15	0.07	1.48	2.437
		SP562	5	6	1	LIM	0.71	43.19	0.1	9.69	11.55	0.06	0.81	2.263
		SP563	6	7	1	LIM	0.64	45.56	0.1	10.62	7.61	0.04	0.37	2.179
		SP564	7	8	1	LIM	0.61	46.15	0.11	10.6	7.7	0.04	0.3	2.203
		SP565	8	9	1	LIM	0.64	45.52	0.11	10.88	6.83	0.04	0.18	1.721
		SP566	9	10	1	LIM	0.72	45.92	0.11	11.03	5.12	0.09	0.21	0.991
		SP567	10	11	1	LIM	0.73	46.49	0.11	10.26	6.22	0.09	0.22	0.928
		SP568	11	12	1	LIM	0.84	46.55	0.12	10.25	5.29	0.04	0.19	0.633
		SP569	12	13	1	LIM	1.03	48.17	0.12	8.57	4.21	0.04	0.18	0.712
		SP570	13	14	1	LIM	1.17	48.81	0.13	7.46	4.11	0.04	0.14	0.566
		SP571	14	14.5	0.5	LIM	1.06	46.38	0.14	9.36	4.48	0.04	0.26	0.678
		SP572	14.5	15	0.5	SAP	0.42	23.75	0.08	5.93	47.21	0.06	1.78	0.695
		SP573	15	16	1	SAP	0.47	27.65	0.08	6.77	40.3	0.04	0.73	0.437
		SP574	16	17	1	SAP	0.86	42.49	0.12	8.14	11.22	0.06	0.62	0.397
		SP575	17	18	1	SAP	0.89	41.04	0.11	8.05	15.17	0.06	0.71	0.415
		SP576	18	19	1	SAP	0.66	31.34	0.08	5.47	34.65	0.06	1.23	0.438
		SP577	19	20	1	SAP	1.04	33.94	0.09	5.95	24.34	0.33	4.82	0.46
		SP578	20	21	1	SAP	0.89	17.81	0.05	3.49	38.32	0.48	17.59	0.455
		SP579	21	22	1	SAP	0.83	27.55	0.08	5.2	30.13	0.38	10.31	0.53

		SP580	22	23	1	SAP	0.67	23.82	0.07	4.94	37.33	1.14	10.03	0.442
		SP581	23	24	1	SAP	0.77	25.05	0.07	5.38	35.97	0.69	8.51	0.457
		SP582	24	24.55	0.55	SAP	0.99	20.46	0.06	4.03	44.53	0.41	9.22	0.451
		SP583	24.6	25	0.45	BRK	1.4	9.65	0.02	1.67	44.92	0.49	24.66	0.4
22	MP0138	SP584	0	1	1	LIM	0.59	43.32	0.1	8.89	11.73	0.07	1.04	2.842
		SP585	1	2	1	LIM	0.61	46.23	0.1	9.42	10.15	0.06	0.62	1.443
		SP586	2	3	1	LIM	0.66	45.56	0.1	9.49	11.5	0.07	0.91	0.46
		SP587	3	4	1	LIM	0.67	45.78	0.1	9.76	10.61	0.06	0.56	0.834
		SP588	4	5	1	LIM	0.66	45.34	0.09	9.31	11.24	0.04	0.26	0.418
		SP589	5	6	1	LIM	0.67	46.11	0.09	9.68	7.86	0.04	0.18	0.335
		SP590	6	7	1	LIM	0.68	47.16	0.1	10.62	5.97	0.04	0.17	0.398
		SP591	7	8	1	LIM	0.68	46.72	0.1	10.42	6.74	0.04	0.18	0.316
		SP592	8	9	1	LIM	0.73	47.85	0.11	10.51	4.59	0.04	0.15	0.47
		SP593	9	10	1	LIM	0.78	47.65	0.11	10.33	4.63	0.04	0.14	0.477
		SP594	10	11	1	LIM	0.83	46.84	0.12	10.35	4.83	0.05	0.19	0.449
		SP595	11	12	1	LIM	0.86	47.86	0.12	9.41	3.78	0.05	0.18	0.452
		SP596	12	13	1	LIM	0.89	47.72	0.13	9.34	3.73	0.05	0.26	0.422
		SP597	13	14	1	LIM	0.87	46.81	0.13	9.58	4.6	0.05	0.26	0.487
		SP598	14	14.6	0.6	LIM	0.86	46.55	0.14	9.87	5.28	0.06	0.31	0.594
		SP599	14.6	15	0.4	SAP	0.39	25.21	0.09	7.67	43.34	0.04	0.46	0.609
		SP600	15	16	1	SAP	0.75	41.7	0.12	9.54	15.79	0.05	0.22	0.476
		SP601	16	16.45	0.45	SAP	1.01	35.97	0.11	5.86	27.84	0.05	0.46	0.423
		SP602	16.5	17	0.55	SAP	0.52	20.52	0.06	4.4	52.98	0.04	2.93	0.607
		SP603	17	18	1	SAP	0.3	16	0.05	3.01	64.91	0.04	1.44	0.474
		SP604	18	19	1	SAP	0.54	26.93	0.08	6.22	41.25	0.05	1.42	0.48
		SP605	19	20	1	SAP	0.84	28.77	0.09	4.59	33.67	0.12	4.57	0.442
		SP606	20	21	1	SAP	1.05	17.83	0.05	2.46	39.5	0.18	16.54	0.433
		SP607	21	22	1	SAP	1.43	9.51	0.02	1.55	40.73	0.21	27.29	0.421
		SP608	22	23	1	SAP	1.05	8.65	0.02	0.88	42.27	0.16	30.81	0.42
		SP609	23	23.4	0.4	SAP	1.59	12.33	0.03	1.86	37.93	0.16	26.3	0.397

		SP610	23.4	24	0.6	SAP	1.23	8.44	0.02	3.13	40.82	0.17	27.94	0.423
		SP611	24	24.48	0.48	SAP	1.13	10.79	0.03	2.52	40.09	1.98	25.32	0.437
		SP612	24.5	25	0.52	SAP	1.37	10.23	0.02	1.39	41.16	0.63	26.88	0.412
23	MP0133	SP613	0	1	1	LIM	0.68	43.01	0.11	9.08	11.26	0.09	1.41	2.227
		SP614	1	2	1	LIM	0.78	42.9	0.11	9.5	10.76	0.09	1.42	1.398
		SP615	2	3	1	LIM	0.8	43.68	0.11	9.13	9.95	0.08	1.26	0.716
		SP616	3	4	1	LIM	0.81	45.82	0.11	9.62	7.46	0.06	0.57	0.653
		SP617	4	5	1	LIM	0.7	46.06	0.1	10.4	6.57	0.08	0.39	0.689
		SP618	5	6	1	LIM	0.71	46.52	0.11	10.84	5.29	0.09	0.24	0.933
		SP619	6	7	1	LIM	0.78	47.15	0.12	10.14	4.03	0.05	0.14	0.879
		SP620	7	8	1	LIM	0.91	48.56	0.12	9.11	4	0.04	0.28	1.044
		SP621	8	9	1	LIM	0.76	45.24	0.12	9.88	6.76	0.04	0.3	0.681
		SP622	9	9.5	0.5	LIM	0.7	40.63	0.1	7.79	16.49	0.04	0.45	1.107
		SP623	9.5	10	0.5	SAP	0.45	26.33	0.07	2.81	48.5	0.06	0.77	0.881
		SP624	10	11	1	SAP	0.44	26.81	0.08	5.12	44.58	0.04	0.32	0.791
		SP625	11	12	1	SAP	0.42	23.09	0.07	6.97	48.55	0.04	0.35	1.056
		SP626	12	13	1	SAP	0.43	23.87	0.08	7.42	46.04	0.04	0.6	1.057
		SP627	13	14	1	SAP	0.6	22.83	0.08	6.11	48.55	0.08	0.98	0.547
		SP628	14	15	1	SAP	1.07	21.45	0.06	4.49	49.77	0.18	2.78	0.403
		SP629	15	16	1	SAP	0.99	11.27	0.03	2.76	52.26	0.44	19.18	0.525
		SP630	16	17	1	SAP	1.02	23.9	0.07	4.59	43.63	0.16	3.26	0.652
		SP631	17	18	1	SAP	0.75	25.59	0.07	5.86	41.66	0.11	2.79	1.099
		SP632	18	18.75	0.75	SAP	0.55	10.48	0.03	2.19	49.33	0.2	22.25	0.698
		SP633	18.8	19	0.25	SAP	1.11	6.33	0.01	0.99	48.4	0.37	28.14	0.442
		SP634	19	20	1	SAP	0.53	12	0.02	2.78	54.03	0.16	17.29	0.314
		SP635	20	21	1	SAP	0.93	24.57	0.07	4.07	43.65	0.34	4.88	0.316
		SP636	21	22	1	SAP	1.63	10.82	0.03	2.05	43.06	0.23	23.33	0.392
		SP637	22	23	1	SAP	1.8	15.76	0.04	2.66	37.18	0.67	20.62	0.385
		SP638	23	24	1	SAP	1.6	23.21	0.07	4.75	33.77	0.77	11.87	0.184
		SP639	24	25	1	SAP	1.45	29.06	0.08	5.32	30.78	0.37	5.69	0.198

24	MP0140	SP640	0	1	1	LIM	0.72	39.96	0.11	8.89	11.62	0.12	1.68	2.319
		SP641	1	2	1	LIM	0.75	42.17	0.11	9.14	10.77	0.12	1.68	2.478
		SP642	2	3	1	LIM	0.86	41.32	0.12	9.36	11.1	0.14	1.9	2.27
		SP643	3	4	1	LIM	0.8	42.04	0.11	9.66	9.99	0.09	1.64	2.055
		SP644	4	5	1	LIM	0.85	43.15	0.12	9.52	8.86	0.27	1.48	2.048
		SP645	5	6	1	LIM	0.76	44.13	0.1	10.22	8.53	0.07	0.6	2.026
		SP646	6	7	1	LIM	0.69	46.32	0.11	10.68	5.92	0.06	0.37	2.043
		SP647	7	8	1	LIM	0.77	46.64	0.12	10.68	4.57	0.06	0.38	2.077
		SP648	8	9	1	LIM	0.87	47.13	0.13	9.75	4.5	0.05	0.39	1.794
		SP649	9	10	1	LIM	0.91	47.21	0.12	9.95	4.01	0.04	0.15	0.61
		SP650	10	11	1	LIM	1.04	49.67	0.15	7.96	2.97	0.04	0.33	1.596
		SP651	11	12	1	LIM	1.23	50.11	0.14	7.19	3.13	0.05	0.34	1.794
		SP652	12	13	1	LIM	1.41	48.61	0.13	7.48	3.08	0.04	0.22	1.647
		SP653	13	14	1	LIM	1.27	44.88	0.13	8.32	6.36	0.08	0.49	1.437
		SP654	14	15	1	LIM	1.27	44.98	0.13	8.32	6.5	0.05	0.46	0.942
		SP655	15	16	1	LIM	1.55	47.56	0.14	7.45	4.68	0.05	0.27	1.325
		SP656	16	17	1	LIM	1.59	42.03	0.11	6.96	12.14	0.31	3.35	0.9
		SP657	17	18	1	SAP	2.31	26.95	0.07	4.65	27.83	0.63	10.57	0.824
		SP658	18	19	1	SAP	2.48	17.06	0.05	3.15	35.08	0.65	19.23	0.697
		SP659	19	20	1	SAP	2.12	16.56	0.04	2.74	36.29	0.92	19.91	0.832
		SP660	20	20.75	0.75	SAP	1.79	13.44	0.03	3.72	39.37	1.07	23.15	0.721
		SP661	20.8	21	0.25	SAP	1.36	11.9	0.03	2.78	40.46	2.06	23.01	0.668
		SP662	21	22	1	SAP	1.64	10.53	0.03	1.85	40.46	1.37	26.9	0.513
		SP663	22	22.35	0.35	SAP	0.82	6.03	0.01	0.99	42	0.81	34.25	0.446
		SP664	22.4	23	0.65	SAP	1.47	14.52	0.04	2.79	36.7	2.73	22.5	0.42
		SP665	23	24	1	SAP	1.38	25.52	0.07	5.56	28.05	1.89	12.44	0.463
		SP666	24	24.75	0.75	SAP	1.47	13.81	0.04	2.44	36.99	1.11	24.73	0.438
		SP667	24.8	25	0.25	SAP	1.6	12.08	0.03	5.38	36.44	1.17	23.56	0.48
25	MP0132	SP668	0	1	1	LIM	0.78	40.28	0.11	8.94	11.5	0.14	2.21	1.237
		SP669	1	2	1	LIM	0.9	40.38	0.11	9.5	11.15	0.22	2.62	0.797

		SP670	2	3	1	LIM	0.81	41.83	0.11	9.17	10.14	0.13	1.88	0.657
		SP671	3	4	1	LIM	0.83	41.9	0.11	9.16	10.95	0.12	1.76	0.789
		SP672	4	5	1	LIM	0.73	43.38	0.11	10.78	8.33	0.08	0.87	1.044
		SP673	5	6	1	LIM	0.75	45.39	0.12	10.53	6.75	0.05	0.51	0.66
		SP674	6	7	1	LIM	0.76	45.4	0.12	10.53	6.15	0.05	0.66	0.727
		SP675	7	8	1	LIM	0.81	46.66	0.12	10.66	5.86	0.05	0.45	0.693
		SP676	8	9	1	LIM	0.85	46.05	0.12	10.43	5.36	0.05	0.39	0.704
		SP677	9	9.5	0.5	LIM	0.86	45.68	0.12	11.06	5.33	0.04	0.31	0.48
		SP678	9.5	10	0.5	LIM	0.89	45.67	0.12	10.71	5.23	0.05	0.44	0.51
		SP679	10	11	1	LIM	1	48.56	0.13	8.99	4.69	0.05	0.65	0.472
		SP680	11	12	1	LIM	0.74	47.31	0.13	6.6	10.6	0.05	0.67	0.443
		SP681	12	13	1	LIM	1.16	46.87	0.01	7.76	6.22	0.05	0.43	0.468
		SP682	13	14	1	LIM	1.41	45	0.11	8.08	6.53	0.06	0.68	0.419
		SP683	14	15	1	LIM	1.59	47.52	0.12	5.56	5.97	0.1	0.99	0.816
		SP684	15	16	1	SAP	2.08	29.19	0.08	4.62	27.36	0.46	7.96	0.676
		SP685	16	17	1	SAP	2.01	17.98	0.05	3.15	37.3	0.5	18.18	0.682
		SP686	17	18	1	SAP	1.42	12.4	0.03	2.34	40.22	0.5	26.05	0.583
		SP687	18	18.75	0.75	SAP	1.79	19.12	0.05	3.39	35.38	0.61	16.8	0.545
		SP688	18.8	19	0.25	SAP	1.74	15.37	0.04	2.19	40.16	0.46	19.94	0.509
		SP689	19	20	1	SAP	1.63	12.44	0.03	1.74	40.93	0.44	23.51	0.464
		SP690	20	21	1	SAP	1.75	12.5	0.03	1.72	40.81	0.35	23.18	0.577
		SP691	21	22	1	SAP	1.33	9.97	0.02	1.42	42.94	0.38	26.14	0.454
		SP692	22	23	1	SAP	1.43	9.6	0.02	1.03	43.37	0.28	26.19	0.482
		SP693	23	24	1	SAP	1.44	7.54	0.02	0.38	42.43	0.06	29.8	0.48
		SP694	24	25	1	SAP	1.32	9.89	0.02	0.84	44.54	0.13	30.8	0.451
26	MP0131	SP695	0	1	1	LIM	0.69	43.06	0.11	9.86	8.95	0.07	1.03	2.285
		SP696	1	2	1	LIM	0.73	45.06	0.12	10.14	7.64	0.07	0.97	2.042
		SP697	2	3	1	LIM	0.72	44.78	0.11	10.37	7.31	0.07	0.72	2.039
		SP698	3	4	1	LIM	0.7	45.21	0.12	10.82	6.42	0.06	0.42	1.814
		SP699	4	5	1	LIM	0.74	47.55	0.12	10.26	4.84	0.05	0.33	1.905

		SP700	5	6	1	LIM	0.85	48.32	0.13	9.53	3.84	0.05	0.32	1.598
		SP701	6	7	1	LIM	1.02	48.46	0.04	8.33	2.77	0.05	0.28	0.565
		SP702	7	8	1	LIM	1.12	50.17	0.04	6.18	2.55	0.04	0.54	1.027
		SP703	8	9	1	LIM	0.97	50.46	0.13	7	2.06	0.04	0.74	0.366
		SP704	9	10	1	LIM	1.14	52.52	0.04	2.96	2.44	0.06	1.12	0.402
		SP705	10	11	1	LIM	1.46	52.75	0.04	1.98	3.25	0.05	1.37	0.654
		SP706	11	12	1	SAP	1.61	37.17	0.1	3.06	18.96	0.74	8.82	0.398
		SP707	12	13	1	SAP	1.88	43.24	0.11	1.77	12.09	0.21	6.5	0.463
		SP708	13	14	1	SAP	1.46	15.02	0.04	1.29	34.89	0.23	25.34	0.46
		SP709	14	15	1	SAP	1.64	35.41	0.1	2.16	22.92	0.07	6.54	0.483
		SP710	15	16	1	SAP	1.7	15.09	0.04	0.86	36.37	0.19	24.07	0.483
		SP711	16	17	1	SAP	1.47	8.98	0.02	0.54	38.99	0.07	30.64	0.446
		SP712	17	17.5	0.5	BRK	1.28	8.91	0.02	0.86	38.84	0.14	30.54	0.403
		SP713	17.5	18	0.5	BRK	1.12	8.47	0.02	0.63	38.21	0.05	32.14	0.436
		SP714	18	19	1	BRK	0.55	7.13	0.02	0.58	38.35	0.31	35.29	0.432
27	MP0135	SP715	0	1	1	LIM	0.77	43.54	0.12	8.96	8.56	0.11	1.24	1.812
		SP716	1	2	1	LIM	0.84	45.05	0.12	9.69	7.48	0.1	1.13	1.496
		SP717	2	3	1	LIM	0.76	45.32	0.12	9.84	7.78	0.07	0.72	0.702
		SP718	3	4	1	LIM	0.78	46.8	0.12	9.54	6.4	0.11	0.58	1.442
		SP719	4	5	1	LIM	0.85	47.03	0.13	9.23	5.59	0.06	0.82	0.86
		SP720	5	6	1	LIM	0.99	49.03	0.13	7.69	4.54	0.11	0.65	0.711
		SP721	6	7	1	LIM	1.11	49.47	0.13	6.37	3.85	0.05	0.96	0.541
		SP722	7	8	1	LIM	1.22	51.48	0.04	4.28	3.26	0.07	1.29	0.666
		SP723	8	9	1	LIM	1.48	52.36	0.04	3.04	3.7	0.07	1.55	0.653
		SP724	9	10	1	LIM	1.37	46.15	0.13	4.55	7.5	0.09	4.53	0.635
		SP725	10	11	1	LIM	1.45	47.58	0.13	3.52	7.34	0.07	3.71	0.562
		SP726	11	12	1	SAP	1.41	41.27	0.11	5.81	13.49	0.09	4.94	0.612
		SP727	12	13	1	SAP	2.21	26.18	0.07	1.25	29.09	0.07	14.75	0.614
		SP728	13	14	1	SAP	2.16	24.08	0.07	1.3	29.93	0.14	15.61	0.52
		SP729	14	14.4	0.4	SAP	1.64	10.22	0.02	0.57	39.46	0.06	28.6	0.603

		SP730	14.4	15	0.6	SAP	1.07	8.1	0.02	0.39	40.02	0.08	31.72	0.458
		SP731	15	16	1	BRK	0.34	6.65	0.02	0.31	39.75	0.21	35.29	0.454
28	MP0130	SP732	0	0.4	0.4	LIM	0.83	47.53	0.13	5.33	7.13	0.15	1.66	1.148
		SP733	0.4	0.75	0.35	LIM	0.91	49.01	0.13	5.58	5.59	0.09	1.08	1.416
		SP734	0.75	1	0.25	LIM	1.01	50.45	0.13	5.01	4.21	0.05	0.77	0.291
		SP735	1	1.4	0.4	LIM	1.26	19.46	0.05	2.01	29.24	0.04	23.47	0.441
		SP736	1.4	2	0.6	SAP	1.25	10.48	0.02	0.97	37.53	0.05	30.33	0.821
		SP737	2	2.3	0.3	SAP	1.61	12.35	0.03	0.76	35.41	0.05	28.33	0.643
		SP738	2.3	3	0.7	SAP	1.51	12.7	0.03	1.3	37.52	0.2	26.29	0.832
		SP739	3	4	1	SAP	1.05	14.45	0.04	2.01	36.9	0.5	24.41	0.856
		SP740	4	5	1	SAP	1.19	6.74	0.01	1.04	40.55	0.12	34.06	0.245
		SP741	5	6	1	SAP	1.26	7.83	0.01	0.76	40.6	0.34	32.15	0.553
		SP742	6	6.4	0.4	SAP	1.25	11.29	0.03	1.19	42.14	0.54	24.94	0.513
		SP743	6.4	6.8	0.4	SAP	1.33	8.89	0.02	1.15	42.06	0.67	30.31	0.555
		SP744	6.8	7	0.2	SAP	1.52	12.37	0.03	1.93	42.49	0.34	21.04	0.458
		SP745	7	8	1	SAP	1.11	8.84	0.01	1.23	42.06	0.77	30.55	0.501
		SP746	8	9	1	SAP	1	12.18	0.03	1.67	44.72	0.86	21.73	0.424
		SP747	9	9.4	0.4	SAP	1.06	7.76	0.01	1.13	41.43	0.87	35.4	0.424
		SP748	9.4	10	0.6	BRK	0.27	7.67	0.01	1.01	40.95	1	34.51	0.442
		SP749	10	11	1	BRK	0.43	9.29	0.02	1.17	42.7	0.27	27.52	0.42
		SP750	11	12	1	BRK	0.31	9.87	0.02	1.17	42.4	0.72	28.21	0.457
29	MP0136	SP751	0	1	1	LIM	0.93	49.16	0.13	6.46	4.79	0.04	0.64	1.983
		SP752	1	2	1	LIM	0.98	49.74	0.13	6.56	4.87	0.05	0.55	1.152
		SP753	2	3	1	LIM	0.99	50.02	0.13	6.95	4	0.05	0.48	1.294
		SP754	3	4	1	LIM	1.16	50.87	0.14	5.85	3.5	0.05	0.55	0.788
		SP755	4	4.55	0.55	LIM	1.2	49.57	0.13	6.14	4.99	0.04	0.55	0.817
		SP756	4.55	5	0.45	SAP	1.13	28.45	0.08	4.54	40.16	0.04	2.97	0.463
		SP757	5	5.38	0.38	SAP	0.91	12.98	0.04	2.19	54.87	0.04	14.24	0.511
		SP758	5.38	6	0.62	SAP	0.8	15.4	0.05	2.87	60.44	0.04	6.75	1.149
		SP759	6	6.5	0.5	SAP	1.2	9.58	0.03	1.31	63.3	0.06	13.01	0.704

		SP760	6.5	7	0.5	SAP	0.84	13.38	0.04	1.58	67.77	0.04	5.44	0.5
		SP761	7	7.25	0.25	SAP	1.1	10.35	0.03	0.95	67.52	0.06	9.83	0.554
		SP762	7.25	8	0.75	SAP	1.34	7.05	0.01	0.38	48.04	0.05	28.88	0.939
		SP763	8	9	1	BRK	0.69	6.95	0.01	0.53	61.5	0.04	19.91	1.175
		SP764	9	10	1	BRK	0.23	5.35	0.01	0.71	77.05	0.05	9.17	0.566
30	MP0139	SP765	0	1	1	LIM	0.89	48.57	0.13	12.14	6.77	0.05	0.61	2.309
		SP766	1	2	1	LIM	1.02	49.83	0.14	11.5	5.69	0.05	0.5	0.517
		SP767	2	3	1	LIM	1.02	49.72	0.15	11.15	4.84	0.05	0.36	0.993
		SP768	3	4	1	LIM	0.85	50.28	0.13	10.14	4.74	0.05	0.33	0.999
		SP769	4	5	1	LIM	0.72	49.06	0.11	10.95	5.77	0.04	0.21	0.826
		SP770	5	6	1	LIM	0.78	48.98	0.12	8.33	5.22	0.04	0.26	0.72
		SP771	6	7	1	LIM	0.83	48.94	0.12	6.75	5.37	0.04	0.25	0.937
		SP772	7	8	1	LIM	1.01	49.49	0.13	6.15	4.62	0.05	0.47	0.994
		SP773	8	9	1	LIM	0.97	48.61	0.13	5.86	5.6	0.04	0.3	0.804
		SP774	9	10	1	LIM	1	46.44	0.11	5.36	6.34	0.05	0.19	0.781
		SP775	10	11	1	LIM	0.99	48.56	0.13	5.33	4.97	0.04	0.45	0.817
		SP776	11	12	1	LIM	1.17	48.23	0.13	5.23	6.38	0.04	0.43	0.569
		SP777	12	13	1	LIM	1.18	47.27	0.13	4.69	7.72	0.05	0.63	1.108
		SP778	13	14	1	LIM	1.13	45.92	0.13	10.6	9.59	0.05	1.95	0.568
		SP779	14	14.7	0.7	SAP	1.33	22.77	0.07	7.397	21.91	0.04	20.11	0.901
		SP780	14.7	15	0.3	SAP	1.39	32.02	0.1	7.667	19.12	0.05	10.61	0.675
		SP781	15	16	1	SAP	1.61	35.44	0.11	7.7727	20.49	0.07	6.45	0.627
		SP782	16	16.55	0.55	SAP	1.38	43.27	0.12	7.902	15.15	0.06	3.04	0.679
		SP783	16.6	17	0.45	SAP	2	27.19	0.09	8.168	27.45	0.23	13.03	0.591
		SP784	17	18	1	SAP	2	21.14	0.06	8.913	32.32	0.4	16.13	0.608
		SP785	18	19	1	SAP	2.29	18.52	0.05	8.913	35.36	0.32	17.56	0.587
		SP786	19	20	1	SAP	1.84	16.16	0.04	7.655	37.77	0.19	19.47	0.557
		SP787	20	20.55	0.55	SAP	1.9	18.31	0.05	4.313	36.63	0.16	16.52	0.505
		SP788	20.6	21	0.45	SAP	1.81	15.6	0.04	4.035	35.75	0.3	22.61	0.511
		SP789	21	21.7	0.7	SAP	1.62	10.93	0.03	5.206	39.59	0.08	27.71	0.455

	SP790	21.7	22	0.3	SAP	1.77	11.66	0.03	5.724	39.77	0.06	26.75	0.421
	SP791	22	23	1	SAP	1.72	10.04	0.02	4.294	40.07	0.06	29.33	0.392
	SP792	23	23.45	0.45	SAP	1.62	8.71	0.02	3.452	39.54	0.05	32.02	0.358
	SP793	23.5	24	0.55	SAP	1.55	10.39	0.02	3.03	39.29	0.05	28.96	0.507
	SP794	24	25	1	SAP	1.41	12.81	0.03	5.672	37.31	0.06	28.44	0.449
	SP795	25	26	1	SAP	1.24	12.33	0.03	2.958	39.66	0.04	27.55	0.49
	SP796	26	27	1	SAP	1.39	13.06	0.03	1.0813	37.63	0.05	27.73	0.47

TABEL DATA HASIL XRF BLOK Y

No	Hole Id	Sampel Id	From	To	Recovery	Material Code	Ni	Fe	Co	Al_2O_3	SiO_2	CaO	MgO	Cr_2O_3
1	MP0001	SP500	0	0.5	0.5	LIM	0.980	13.660	0.067	3.160	32.530	0.770	24.940	0.920
		SP501	0.5	1	0.5	LIM	0.790	5.570	0.056	3.110	34.550	0.890	26.010	0.680
		SP502	1	1.59	0.59	SAP	1.080	14.500	0.032	3.020	36.990	0.900	25.370	0.960
		SP503	1.59	2	0.41	SAP	0.760	7.220	0.080	2.890	37.800	0.890	25.440	0.890
		SP504	2	2.36	0.36	SAP	1.160	11.970	0.035	2.990	37.980	0.990	28.990	0.990
		SP505	2.36	3	0.64	SAP	0.710	5.510	0.021	1.580	39.540	0.740	33.940	0.380
		SP506	3	4	1	SAP	0.420	4.980	0.041	1.670	41.090	0.760	36.230	0.550
		SP507	4	5	1	BRK	0.420	4.750	0.036	1.880	41.880	0.880	39.010	0.560
2	MP0002	SP508	0	0.35	0.35	LIM	1.210	33.060	0.011	6.260	23.630	0.290	6.090	1.900
		SP509	0.35	0.8	0.45	LIM	1.380	34.630	0.131	7.110	22.890	0.480	6.880	1.860
		SP510	0.8	1	0.2	SAP	1.330	20.340	0.033	4.540	25.050	0.890	7.040	1.230
		SP511	1	2	1	SAP	1.320	13.240	0.037	2.530	40.570	0.340	23.980	0.740
		SP512	2	2.36	0.36	SAP	1.020	11.080	0.058	2.330	42.220	0.870	24.010	0.870
		SP513	2.36	3	0.64	BRK	0.620	6.360	0.047	1.510	40.840	0.350	33.850	0.380
		SP514	3	4	1	BRK	0.480	5.120	0.042	2.440	39.110	0.560	28.010	0.870
3	MP0003	SP515	0	1	1	LIM	1.680	13.390	0.036	2.360	38.230	0.080	27.200	0.580
		SP516	1	1.4	0.4	LIM	1.800	29.740	0.017	1.780	37.440	0.090	0.250	0.990
		SP517	1.4	2	0.6	SAP	1.720	16.620	0.015	1.720	40.680	0.140	28.600	0.510
		SP518	2	2.55	0.55	SAP	1.730	16.620	0.097	1.550	40.210	0.220	28.550	0.890
		SP519	2.55	3	0.45	SAP	1.760	13.840	0.053	1.760	40.220	0.560	27.900	0.650
		SP520	3	3.2	0.2	SAP	1.620	12.320	0.015	1.830	42.110	0.780	28.330	1.020
		SP521	3.2	3.7	0.5	SAP	1.400	8.800	0.053	1.900	43.090	0.990	27.040	1.090
		SP522	3.7	4	0.3	SAP	0.980	9.500	0.039	0.980	43.610	0.060	29.870	0.290
		SP523	4	4.45	0.45	SAP	1.140	8.190	0.051	1.020	43.140	0.040	32.180	0.240
		SP524	4.45	5	0.55	SAP	1.560	11.960	0.026	2.090	39.090	0.350	27.330	1.220

		SP525	5	6	1	SAP	0.620	7.980	0.035	1.490	43.970	0.040	29.890	0.270
		SP526	6	6.47	0.47	SAP	0.570	7.170	0.011	1.550	41.010	0.040	30.220	0.320
		SP527	6.47	7	0.53	SAP	0.550	6.760	0.019	1.980	44.020	0.040	31.190	0.440
		SP528	7	7.6	0.6	SAP	0.470	5.660	0.012	1.560	41.020	0.030	29.870	0.560
		SP529	7.6	8	0.4	SAP	0.460	4.970	0.028	1.270	40.550	0.030	29.880	0.320
		SP530	8	8.8	0.8	SAP	0.460	5.200	0.022	1.340	40.560	0.030	29.030	0.270
		SP531	8.8	9	0.2	SAP	0.440	4.330	0.096	1.810	42.060	0.040	30.010	0.220
		SP532	9	9.3	0.3	SAP	0.470	5.420	0.022	1.780	42.110	0.040	30.220	0.460
		SP533	9.3	9.8	0.5	SAP	0.490	5.240	0.037	1.990	41.990	0.050	30.050	0.410
		SP534	9.8	10	0.2	BRK	0.400	5.870	0.054	1.290	41.270	0.050	30.110	0.320
		SP535	10	11	1	BRK	0.450	5.550	0.042	1.030	41.510	0.040	37.970	0.200
		SP536	11	12	1	BRK	0.420	4.900	0.015	1.090	40.010	0.030	35.650	0.450
4	MP0004	SP537	0	0.75	0.75	LIM	1.496	40.048	0.111	3.030	15.835	0.265	4.939	2.559
		SP538	0.75	1	0.25	SAP	1.164	11.396	0.029	1.439	39.929	0.725	29.170	0.853
		SP539	1	1.35	0.35	SAP	1.193	12.596	0.053	1.830	45.505	1.402	19.078	0.754
		SP540	1.35	2	0.65	SAP	1.470	12.777	0.035	0.743	36.318	0.180	27.060	0.752
		SP541	2	2.55	0.55	SAP	1.183	10.658	0.028	0.989	40.249	0.416	27.955	0.732
		SP542	2.55	2.8	0.25	SAP	0.650	6.258	0.011	0.805	41.964	0.731	34.172	0.425
		SP543	2.8	3	0.2	SAP	1.050	10.516	0.029	1.680	39.891	0.448	26.955	0.788
		SP544	3	3.25	0.25	SAP	0.708	6.892	0.014	1.298	41.280	0.595	32.820	0.523
		SP545	3.25	3.8	0.55	SAP	0.871	10.885	0.029	1.676	39.884	0.344	26.986	0.763
		SP546	3.8	4	0.2	SAP	0.283	6.402	0.013	0.652	41.659	0.575	35.152	0.397
		SP547	4	5	1	SAP	0.352	6.436	0.013	0.959	41.925	0.662	33.353	0.515
		SP548	5	5.2	0.2	SAP	0.429	8.493	0.021	1.046	42.054	0.564	29.033	0.612
		SP549	5.2	5.46	0.26	SAP	0.265	6.457	0.013	0.680	40.871	0.732	34.557	0.457
		SP550	5.46	6	0.54	SAP	0.394	8.901	0.023	1.069	41.965	0.346	27.901	0.590
		SP551	6	6.36	0.36	SAP	0.468	10.996	0.030	0.608	42.653	0.075	24.822	0.679
		SP552	6.36	7	0.64	BRK	0.360	7.087	0.017	0.518	41.805	0.059	31.544	0.510
		SP553	7	8	1	BRK	0.285	6.449	0.014	0.281	40.966	0.056	33.880	0.530
5	MP0005	SP554	0	0.4	0.4	LIM	1.009	33.366	0.102	5.191	21.363	0.795	6.097	2.527

		SP555	0.4	1	0.6	SAP	0.901	14.567	0.046	5.081	37.816	1.387	20.810	0.939
		SP556	1	1.3	0.3	SAP	0.828	14.650	0.039	2.990	38.741	0.969	21.953	1.118
		SP557	1.3	1.7	0.4	SAP	0.296	6.164	0.012	0.871	40.972	0.983	35.679	0.440
		SP558	1.7	2	0.3	SAP	0.856	18.295	0.053	2.999	37.465	1.064	16.634	1.193
		SP559	2	2.55	0.55	SAP	0.583	10.528	0.027	1.848	43.155	0.944	25.115	0.713
		SP560	2.55	3	0.45	BRK	0.219	6.130	0.012	0.818	41.500	1.098	35.411	0.401
		SP561	3	4	1	BRK	0.202	5.929	0.011	0.598	41.634	1.412	35.515	0.421
		SP562	4	5	1	BRK	0.250	6.774	0.015	0.414	38.707	0.286	35.520	0.647
6	MP0006	SP563	0	0.45	0.45	LIM	1.060	26.010	0.012	8.570	28.370	0.710	14.360	1.620
		SP564	0.45	0.8	0.35	SAP	1.340	14.960	0.062	3.750	40.690	0.150	25.070	0.800
		SP565	0.8	1	0.2	BRK	0.850	6.960	0.011	7.990	32.090	0.990	13.280	1.200
		SP566	1	2	1	BRK	0.550	5.460	0.052	6.870	36.220	1.200	14.090	1.320
		SP567	2	3	1	BRK	0.530	5.530	0.040	8.880	38.220	1.120	14.110	1.980
		SP568	3	4	1	BRK	0.570	6.160	0.056	1.170	41.650	0.070	37.410	0.250
7	MP0007	SP569	0	1	1	LIM	1.230	40.120	0.021	7.670	16.600	0.130	4.810	1.790
		SP570	1	1.7	0.7	LIM	1.350	41.070	0.016	7.890	18.110	0.090	5.980	1.660
		SP571	1.7	2	0.3	SAP	1.660	16.110	0.030	4.220	30.770	0.800	19.690	1.040
		SP572	2	2.6	0.6	SAP	1.650	16.070	0.028	5.010	32.540	0.980	18.220	1.020
		SP573	2.6	2.85	0.25	SAP	1.020	6.840	0.054	3.210	38.210	0.920	26.770	0.990
		SP574	2.85	3	0.15	SAP	1.390	14.550	0.061	3.240	38.220	0.890	21.870	0.760
		SP575	3	3.3	0.3	SAP	1.560	13.720	0.021	3.930	36.600	0.810	22.190	0.860
		SP576	3.3	4	0.7	SAP	0.900	10.030	0.009	2.710	38.310	0.990	28.080	0.690
		SP577	4	5	1	SAP	1.100	12.740	0.077	3.090	37.980	0.790	28.110	0.550
		SP578	5	6	1	SAP	1.230	8.510	0.021	2.890	39.900	0.890	29.220	0.980
		SP579	6	7	1	SAP	1.350	5.060	0.030	2.990	40.210	0.990	28.930	0.720
		SP580	7	7.25	0.25	BRK	0.450	5.600	0.037	2.670	42.340	0.990	29.900	0.880
		SP581	7.25	8	0.75	BRK	0.420	4.890	0.016	2.010	42.220	1.050	30.210	0.560
		SP582	8	9	1	BRK	0.420	4.780	<0.001	1.600	35.560	1.050	35.200	0.420
8	MP0008	SP583	0	0.3	0.3	LIM	1.150	34.230	0.019	5.230	24.740	0.250	6.430	1.750
		SP584	0.3	0.6	0.3	LIM	1.260	32.230	0.023	5.660	25.120	0.210	6.780	1.450

		SP585	0.6	1	0.4	SAP	1.510	15.020	0.016	5.980	34.680	1.030	19.980	0.930
		SP586	1	2	1	SAP	1.530	14.270	0.011	3.020	35.790	1.110	19.020	0.990
		SP587	2	2.65	0.65	SAP	1.440	12.670	0.038	4.200	39.220	1.020	19.050	0.890
		SP588	2.65	3	0.35	SAP	1.250	12.380	0.022	4.030	38.890	1.020	19.770	0.960
		SP589	3	3.8	0.8	SAP	1.030	8.550	0.014	3.990	38.010	1.050	19.450	0.700
		SP590	3.8	4	0.2	SAP	0.920	13.710	0.012	1.560	42.690	0.190	18.330	0.500
		SP591	4	4.5	0.5	SAP	0.990	10.840	0.031	1.990	40.210	0.180	18.430	0.560
		SP592	4.5	5	0.5	SAP	1.150	17.610	0.010	2.010	41.990	0.190	17.280	0.590
		SP593	5	6	1	SAP	0.950	9.050	0.039	2.140	45.340	0.230	27.780	0.540
		SP594	6	7	1	SAP	1.000	8.329	0.013	1.012	40.410	0.785	33.379	0.518
		SP595	7	7.6	0.6	SAP	0.600	8.175	0.013	0.549	39.438	0.229	34.030	0.236
		SP596	7.6	8	0.4	BRK	0.400	7.856	0.017	0.371	38.041	0.163	35.472	0.360
		SP597	8	9	1	BRK	1.000	7.801	0.016	0.338	37.878	0.137	35.466	0.254
9	MP0009	SP598	0	0.7	0.7	LIM	1.230	36.270	0.106	4.498	18.486	0.499	4.739	2.249
		SP599	0.7	1	0.3	LIM	1.320	36.485	0.108	4.746	19.672	0.447	3.889	2.028
		SP600	1	1.35	0.35	LIM	1.170	32.286	0.084	3.808	22.696	0.675	9.075	1.758
		SP601	1.35	2	0.65	SAP	1.144	15.845	0.068	3.065	38.153	2.760	18.951	1.278
		SP602	2	2.46	0.46	SAP	1.049	16.389	0.049	3.798	38.522	2.851	17.220	1.654
		SP603	2.46	3	0.54	SAP	1.027	14.881	0.040	2.946	43.475	1.152	19.175	1.319
		SP604	3	3.35	0.35	SAP	0.710	11.402	0.027	1.606	46.428	2.522	23.845	0.963
		SP605	3.35	4	0.65	SAP	0.736	14.274	0.037	2.034	45.276	1.959	19.534	1.178
		SP606	4	4.7	0.7	SAP	0.412	7.103	0.013	1.582	44.642	4.739	29.676	0.616
		SP607	4.7	5	0.3	BRK	0.259	6.450	0.013	1.107	42.256	1.173	35.235	0.471
		SP608	5	6	1	BRK	0.256	6.174	0.012	0.907	41.209	0.987	35.532	0.432
		SP609	6	7	1	BRK	0.212	5.907	0.011	0.715	38.483	1.128	36.920	0.404
10	MP0010	SP610	0	0.35	0.35	LIM	0.702	24.382	0.080	3.194	29.329	1.227	11.135	2.859
		SP611	0.35	1	0.65	LIM	0.668	15.942	0.042	2.585	41.747	1.078	17.631	1.137
		SP612	1	2	1	LIM	0.626	11.094	0.028	1.913	45.259	1.117	22.636	0.703
		SP613	2	2.64	0.64	SAP	1.289	6.464	0.013	1.135	41.290	1.222	33.628	0.422
		SP614	2.64	3	0.36	SAP	0.463	11.204	0.029	1.719	40.348	0.563	26.267	0.706

		SP615	3	3.7	0.7	SAP	0.404	8.932	0.022	1.431	43.917	0.941	26.993	0.577
		SP616	3.7	4	0.3	SAP	1.267	6.256	0.013	1.254	42.499	0.614	32.409	0.425
		SP617	4	5	1	SAP	0.220	7.604	0.012	1.447	40.497	1.517	35.233	0.501
		SP618	5	6	1	SAP	0.300	8.226	0.014	1.440	40.485	0.837	32.734	0.507
		SP619	6	7	1	BRK	0.611	13.166	0.030	1.658	38.240	0.415	26.818	0.853
11	MP0011	SP620	0	0.1	0.1	LIM	1.320	16.389	0.049	3.798	38.522	2.851	5.620	1.416
		SP621	0.1	1	0.9	LIM	1.359	14.881	0.040	2.946	43.475	1.152	6.270	0.291
		SP622	1	1.7	0.7	SAP	1.177	11.402	0.027	1.606	46.428	2.522	16.567	0.441
		SP623	1.7	2	0.3	SAP	1.190	14.274	0.037	2.034	45.276	1.959	25.180	0.821
		SP624	2	2.75	0.75	SAP	1.187	7.103	0.013	1.582	44.642	4.739	20.239	0.643
		SP625	2.75	3	0.25	SAP	1.190	6.450	0.013	1.107	42.256	1.173	26.302	0.832
		SP626	3	4	1	SAP	1.621	6.174	0.012	0.907	41.209	0.987	16.106	0.856
		SP627	4	4.35	0.35	SAP	1.134	5.907	0.011	0.715	38.483	1.128	26.360	0.245
		SP628	4.35	5	0.65	SAP	1.069	16.522	0.043	1.956	44.324	0.600	15.438	0.553
		SP629	5	6	1	SAP	1.011	15.912	0.041	1.734	42.758	0.508	18.572	0.513
		SP630	6	7	1	SAP	0.845	13.752	0.033	1.641	43.453	0.985	21.195	0.555
		SP631	7	8	1	SAP	0.818	12.370	0.029	1.366	44.933	0.645	22.737	0.458
		SP632	8	9	1	SAP	0.621	10.351	0.023	1.234	44.048	1.530	25.517	0.501
		SP633	9	10	1	SAP	0.483	9.980	0.023	1.194	42.810	0.911	28.217	0.424
		SP634	10	11	1	SAP	0.548	11.110	0.026	1.563	42.570	0.624	25.159	0.424
		SP635	11	11.7	0.7	SAP	0.475	11.062	0.027	1.431	42.662	0.903	26.214	0.442
		SP636	11.7	12	0.3	SAP	0.239	6.937	0.013	0.788	41.936	0.817	34.389	0.420
		SP637	12	13	1	SAP	0.265	7.096	0.014	0.694	42.082	0.601	34.055	0.457
		SP638	13	14	1	SAP	0.524	12.500	0.028	0.980	40.889	0.502	25.602	0.741
		SP639	14	15	1	BRK	0.566	11.669	0.025	1.076	43.255	0.395	25.372	0.713
		SP640	15	16	1	BRK	0.342	8.314	0.014	0.735	41.553	0.675	33.326	0.532
		SP641	16	17	1	BRK	0.248	7.795	0.013	0.979	40.575	0.866	34.700	0.460
12	MP0012	SP642	0	0.6	0.6	LIM	1.120	42.690	0.033	7.730	15.460	0.190	5.400	1.710
		SP643	0.6	1	0.4	LIM	1.140	43.440	0.075	6.940	17.430	0.120	5.550	1.880
		SP644	1	1.23	0.23	LIM	1.080	38.290	0.034	6.550	15.590	0.110	5.230	1.650

		SP645	1.23	1.65	0.42	SAP	0.880	13.640	0.056	3.650	39.860	2.280	28.210	0.840
		SP646	1.65	2	0.35	SAP	1.410	43.190	0.023	4.610	15.750	0.120	5.360	1.350
		SP647	2	2.6	0.6	SAP	1.610	28.900	0.056	4.690	15.440	0.090	6.220	1.490
		SP648	2.6	3	0.4	SAP	1.720	5.630	0.038	1.540	39.460	0.300	34.210	0.330
		SP649	3	4	1	BRK	0.950	7.210	0.016	3.220	40.330	0.300	26.230	0.450
		SP650	4	5	1	BRK	0.500	5.170	0.012	1.440	43.460	0.010	38.110	0.130
13	MP0013	SP651	0	0.25	0.25	LIM	1.450	44.090	0.012	5.750	15.890	0.140	9.420	1.700
		SP652	0.25	1	0.75	SAP	1.670	14.290	0.011	4.320	16.220	0.220	10.220	1.450
		SP653	1	1.75	0.75	SAP	1.450	9.100	0.044	4.220	15.950	0.430	9.260	1.880
		SP654	1.75	2	0.25	SAP	1.300	6.790	0.076	3.290	16.210	0.670	11.090	1.030
		SP655	2	3	1	SAP	0.910	5.740	0.056	1.710	40.410	1.680	33.950	0.440
		SP656	3	4	1	BRK	0.400	4.300	0.023	1.390	41.340	1.760	30.220	0.880
		SP657	4	4.4	0.4	BRK	0.570	5.010	0.015	1.960	42.550	1.550	31.230	0.450
14	MP0014	SP658	0	1	1	LIM	1.150	41.290	0.023	7.380	17.720	0.210	7.040	2.100
		SP659	1	1.54	0.54	LIM	1.290	23.580	0.023	1.990	18.040	0.020	6.010	2.010
		SP660	1.54	2	0.46	SAP	1.070	6.590	0.026	2.010	18.220	0.020	6.220	1.990
		SP661	2	2.27	0.27	SAP	0.900	16.890	0.027	2.990	16.090	0.770	6.190	1.890
		SP662	2.27	2.75	0.48	SAP	1.100	19.540	0.034	4.100	15.990	0.870	9.110	1.960
		SP663	2.75	3	0.25	SAP	1.200	14.840	0.003	3.020	20.190	0.210	10.220	1.560
		SP664	3	3.28	0.28	SAP	1.000	13.580	0.044	3.880	40.220	0.560	20.110	1.770
		SP665	3.28	3.52	0.24	SAP	0.790	6.880	0.071	3.220	43.100	0.990	21.980	1.690
		SP666	3.52	4	0.48	SAP	0.960	18.300	0.034	3.670	39.900	1.020	20.990	1.680
		SP667	4	4.55	0.55	SAP	0.980	13.590	0.011	4.010	38.750	1.010	20.670	1.450
		SP668	4.55	5	0.45	SAP	0.690	7.340	0.017	1.990	42.660	1.230	23.910	1.230
		SP669	5	5.28	0.28	SAP	0.670	6.520	0.039	1.730	42.540	2.980	29.920	0.560
		SP670	5.28	6	0.72	SAP	0.890	12.310	0.057	2.210	45.560	2.990	30.010	0.540
		SP671	6	7	1	SAP	0.690	6.640	0.035	2.540	40.110	2.110	24.090	0.780
		SP672	7	7.4	0.4	SAP	0.680	6.420	0.016	2.310	39.230	2.010	26.550	1.210
		SP673	7.4	8	0.6	SAP	0.760	10.030	0.060	2.030	41.440	2.450	23.900	0.980
		SP674	8	9	1	SAP	1.330	19.290	0.040	1.990	37.020	0.780	14.890	1.670

		SP675	9	9.25	0.25	SAP	1.030	7.390	0.016	2.010	35.220	0.880	15.210	1.860
		SP676	9.25	10	0.75	SAP	1.330	20.000	0.036	2.090	33.210	0.430	12.990	1.990
		SP677	10	10.6	0.63	SAP	1.610	5.620	0.015	2.030	20.110	0.440	8.990	2.320
		SP678	10.6	11	0.37	BRK	1.080	12.660	0.018	1.870	43.530	0.800	32.110	0.990
		SP679	11	12	1	BRK	0.490	5.050	0.090	1.290	41.560	0.180	36.730	0.330
		SP680	12	13	1	SAP	0.440	4.210	0.029	1.090	43.220	0.220	37.010	0.210
15	MP0015	SP681	0	0.5	0.5	LIM	1.270	37.150	0.052	5.610	19.510	0.350	10.510	2.330
		SP682	0.5	1	0.5	SAP	1.530	8.400	0.021	5.770	20.010	0.360	11.210	2.010
		SP683	1	1.55	0.55	SAP	1.730	13.990	0.018	6.010	21.020	0.290	10.990	2.430
		SP684	1.55	1.77	0.22	SAP	1.400	7.040	0.012	1.070	40.840	0.040	35.970	0.270
		SP685	1.77	2	0.23	SAP	1.350	8.190	0.014	1.230	40.890	0.090	32.010	0.880
		SP686	2	2.55	0.55	SAP	1.130	8.050	0.015	1.220	42.110	0.080	30.090	0.650
		SP687	2.55	3	0.45	SAP	0.630	5.210	0.015	1.760	41.590	0.610	36.820	0.400
		SP688	3	4	1	SAP	0.460	5.400	0.027	1.550	43.990	0.550	33.010	0.230
		SP689	4	4.51	0.51	SAP	0.460	5.030	0.063	1.980	43.660	0.380	29.990	0.560
		SP690	4.51	5	0.49	SAP	0.810	9.980	0.035	1.880	45.010	0.990	32.090	0.670
		SP691	5	5.5	0.5	SAP	0.750	6.360	0.019	2.550	41.510	0.520	30.250	0.490
		SP692	5.5	6	0.5	SAP	0.750	9.970	0.015	1.900	41.880	0.880	31.090	0.480
		SP693	6	7	1	BRK	0.480	4.210	0.018	1.650	42.290	0.950	32.050	0.320
		SP694	7	8	1	BRK	0.420	3.730	0.036	1.790	44.750	0.880	33.000	0.890
16	MP0016	SP695	0	1	1	LIM	1.18	41.89	0.12	6.28	10.81	0.33	3.73	2.60
		SP696	1	1.15	0.15	LIM	1.38	34.84	0.10	4.88	18.65	0.45	8.14	2.21
		SP697	1.15	2	0.85	SAP	1.29	9.80	0.02	1.66	41.19	0.62	28.87	0.69
		SP698	2	3	1	SAP	1.15	14.59	0.04	2.47	37.40	2.72	21.99	1.22
		SP699	3	4	1	SAP	1.26	19.09	0.05	2.89	35.34	1.68	17.55	1.44
		SP700	4	4.3	0.3	SAP	1.25	16.21	0.04	2.71	39.97	1.35	18.14	1.32
		SP701	4.3	5	0.7	SAP	1.03	10.86	0.03	1.73	42.26	0.89	24.96	0.77
		SP702	5	5.57	0.57	SAP	0.72	12.44	0.03	2.19	39.39	0.77	22.51	0.96
		SP703	5.57	6	0.43	SAP	0.94	11.59	0.03	2.44	41.44	0.64	22.64	0.88
		SP704	6	6.45	0.45	SAP	0.93	14.30	0.04	2.44	40.46	0.84	19.83	1.11

		SP705	6.45	7	0.55	BRK	0.49	7.48	0.02	1.77	40.42	0.38	31.75	0.56
		SP706	7	8	1	BRK	0.25	4.65	<0.01	1.04	40.14	0.11	36.82	0.45
		SP707	8	9	1	BRK	0.22	5.76	0.01	1.05	38.86	1.04	36.81	0.40
17	MP0017	SP708	0	0.3	0.3	LIM	1.287	41.512	0.134	4.540	11.002	0.373	5.583	3.188
		SP709	0.3	1	0.7	SAP	1.240	21.658	0.069	2.650	26.558	0.325	20.254	1.708
		SP710	1	2	1	SAP	0.953	11.401	0.030	1.574	37.013	0.383	28.431	0.864
		SP711	2	3	1	SAP	0.628	8.511	0.019	1.205	39.960	0.372	30.702	0.589
		SP712	3	3.6	0.6	SAP	0.958	12.370	0.033	0.716	34.997	0.083	24.824	0.788
		SP713	3.6	4	0.4	SAP	1.028	11.397	0.030	1.950	37.098	0.079	27.851	0.729
		SP714	4	5	1	BRK	0.783	9.806	0.024	1.033	39.775	0.337	29.726	0.658
		SP715	5	6	1	BRK	0.326	6.580	0.013	0.586	39.895	0.383	34.514	0.422
		SP716	6	7	1	BRK	0.337	6.090	0.011	0.734	41.182	0.377	34.905	0.397
18	MP0018	SP717	0	0.35	0.35	LIM	1.269	38.791	0.115	4.989	13.421	0.211	3.731	2.673
		SP718	0.35	1	0.65	LIM	1.303	41.501	0.115	5.164	12.609	0.196	3.308	2.552
		SP719	1	1.4	0.4	SAP	1.510	28.397	0.080	3.685	24.208	0.245	13.711	1.869
		SP720	1.4	1.6	0.2	SAP	1.258	7.083	0.014	0.850	40.211	0.309	32.395	0.434
		SP721	1.6	2	0.4	SAP	1.549	11.502	0.028	1.628	38.019	0.170	26.560	0.817
		SP722	2	2.4	0.4	SAP	1.344	8.221	0.018	1.041	39.075	0.110	30.858	0.561
		SP723	2.4	3	0.6	SAP	1.513	24.514	0.070	3.013	27.688	0.263	14.432	1.473
		SP724	3	3.55	0.55	SAP	1.326	8.424	0.018	1.113	40.635	0.227	28.658	0.542
		SP725	3.55	4	0.45	SAP	0.485	6.308	0.012	0.591	39.353	0.057	34.531	0.379
		SP726	4	4.3	0.3	SAP	0.505	6.740	0.014	0.673	40.032	0.187	33.429	0.423
		SP727	4.3	5	0.7	SAP	0.686	7.593	0.016	0.654	39.858	0.150	31.499	0.519
		SP728	5	5.55	0.55	SAP	0.452	6.484	0.013	0.961	39.521	0.124	34.243	0.486
		SP729	5.55	6	0.45	BRK	0.384	6.989	0.015	0.942	39.392	0.193	32.255	0.465
		SP730	6	7	1	BRK	0.281	7.363	0.016	0.681	39.263	0.674	31.973	0.593
		SP731	7	8	1	BRK	0.274	6.690	0.015	0.582	39.447	0.090	33.461	0.372
19	MP0019	SP732	0	0.45	0.45	LIM	1.350	43.296	0.131	4.256	9.950	0.176	3.239	2.716
		SP733	0.45	1	0.55	LIM	0.506	45.194	0.130	4.181	10.377	0.141	2.232	2.312
		SP734	1	1.3	0.3	LIM	1.628	43.599	0.037	3.911	11.635	0.144	2.634	2.385

		SP735	1.3	1.6	0.3	SAP	1.660	31.114	0.091	3.302	24.135	0.364	9.734	1.926
		SP736	1.6	2	0.4	SAP	1.365	9.983	0.023	1.375	40.686	0.502	28.424	0.638
		SP737	2	2.27	0.27	SAP	1.245	7.198	0.014	0.853	42.574	0.412	31.932	0.441
		SP738	2.27	2.6	0.33	SAP	1.430	17.070	0.051	1.900	35.647	0.433	20.135	1.030
		SP739	2.6	3	0.4	SAP	0.994	8.584	0.019	1.026	41.296	0.599	30.122	0.542
		SP740	3	4	1	BRK	0.445	6.742	0.013	1.080	42.656	0.772	33.652	0.462
		SP741	4	5	1	BRK	0.467	7.284	0.015	0.833	43.106	1.227	30.333	0.527
		SP742	5	6	1	BRK	0.324	6.612	0.013	0.674	41.084	0.344	33.370	0.463
20	MP0020	SP743	0	0.4	0.4	LIM	1.230	36.610	0.036	6.450	22.430	0.330	7.080	2.030
		SP744	0.4	1	0.6	SAP	1.210	12.240	0.028	8.670	20.880	0.320	11.370	2.330
		SP745	1	1.28	0.28	SAP	1.920	13.130	0.027	8.040	21.560	0.110	11.220	2.510
		SP746	1.28	1.68	0.4	SAP	0.830	6.690	0.039	6.010	27.990	0.430	9.100	1.190
		SP747	1.68	2	0.32	SAP	1.010	16.470	0.030	1.880	40.220	0.080	13.110	0.870
		SP748	2	2.5	0.5	SAP	0.910	22.980	0.039	1.200	38.110	0.080	18.000	0.990
		SP749	2.5	3	0.5	SAP	0.920	18.150	0.020	1.230	35.110	0.340	19.230	1.120
		SP750	3	4	1	SAP	0.790	17.800	0.021	2.270	44.290	0.550	15.100	1.100
		SP751	4	5	1	SAP	0.650	15.820	0.020	3.250	43.490	0.590	12.910	0.990
		SP752	5	5.63	0.63	SAP	0.620	13.650	0.050	3.220	40.010	0.560	11.930	0.920
		SP753	5.63	6	0.37	SAP	0.710	13.200	0.030	3.010	39.010	0.230	11.400	1.100
		SP754	6	6.32	0.32	SAP	0.720	10.680	0.020	1.790	44.210	0.010	12.090	0.230
		SP755	6.32	7	0.68	SAP	0.690	15.330	0.030	1.880	45.780	0.010	12.330	0.790
		SP756	7	8	1	SAP	0.580	10.780	0.041	1.760	42.090	0.010	11.010	0.990
		SP757	8	9	1	BRK	0.430	5.480	0.033	1.900	48.020	0.010	21.990	0.890
		SP758	9	10	1	BRK	0.460	5.570	0.029	1.710	41.330	0.520	35.000	0.380
21	MP0021	SP759	0	0.55	0.55	LIM	1.130	45.560	0.018	1.430	10.030	0.000	2.100	1.430
		SP760	0.55	1	0.45	LIM	1.250	44.910	0.017	1.900	9.280	0.000	2.910	1.900
		SP761	1	2	1	LIM	1.220	46.240	0.020	1.550	9.560	0.020	2.880	1.550
		SP762	2	2.65	0.65	LIM	1.230	47.470	0.013	1.450	24.030	0.200	11.230	1.450
		SP763	2.65	3	0.35	SAP	1.140	14.480	0.013	1.220	38.390	0.350	15.340	1.220
		SP764	3	4	1	SAP	1.190	20.720	0.011	1.290	36.380	0.440	15.310	1.290

		SP765	4	5	1	SAP	1.151	7.970	0.100	0.420	43.480	0.620	29.320	0.420
		SP766	5	6	1	SAP	1.020	19.500	0.030	1.280	39.120	0.250	15.310	1.280
		SP767	6	7	1	SAP	1.080	6.100	0.020	0.980	41.110	0.130	19.330	0.980
		SP768	7	8	1	SAP	0.900	8.020	0.030	1.080	38.110	0.100	20.030	1.080
		SP769	8	9	1	SAP	0.920	22.630	0.039	0.890	40.320	0.680	18.900	0.890
		SP770	9	10	1	SAP	0.900	21.700	0.012	1.230	41.040	0.890	21.660	1.230
		SP771	10	11	1	SAP	0.910	22.440	0.053	1.440	36.900	0.940	19.870	1.440
		SP772	11	11.6	0.6	SAP	0.920	14.090	0.020	0.880	44.270	0.100	20.740	0.880
		SP773	11.6	12	0.4	SAP	0.880	22.060	0.020	1.040	38.700	0.660	19.110	1.040
		SP774	12	12.5	0.45	SAP	0.904	14.050	0.040	1.230	43.020	1.030	23.550	1.230
		SP775	12.5	13	0.55	SAP	0.870	13.010	0.010	0.780	45.030	0.780	30.010	0.780
		SP776	13	13.2	0.2	SAP	0.770	12.280	<0.01	1.190	35.880	0.980	21.090	1.190
		SP777	13.2	14	0.8	BRK	0.700	10.390	0.030	0.500	42.310	0.580	26.130	0.500
		SP778	14	15	1	BRK	0.670	8.420	0.020	0.650	40.090	0.440	28.020	0.650
		SP779	15	16	1	BRK	0.580	8.640	0.010	0.890	38.990	0.450	26.050	0.890
22	MP0022	SP780	0	1	1	LIM	1.248	45.860	0.043	5.170	6.498	0.147	2.242	2.608
		SP781	1	2	1	LIM	1.693	38.431	0.104	3.752	13.317	0.097	8.899	2.092
		SP782	2	2.35	0.35	SAP	1.488	39.564	0.011	4.486	11.411	0.088	8.011	2.146
		SP783	2.35	3	0.65	SAP	1.623	10.123	0.027	0.789	37.188	0.086	29.742	0.669
		SP784	3	3.55	0.55	SAP	1.511	21.022	0.063	1.431	31.109	0.229	18.579	1.091
		SP785	3.55	4	0.45	SAP	1.162	7.389	0.015	0.867	41.711	0.440	29.048	0.519
		SP786	4	5	1	SAP	1.573	22.862	0.067	2.189	28.268	0.155	17.809	1.242
		SP787	5	5.65	0.65	SAP	1.037	12.736	0.035	1.050	37.337	0.102	25.557	0.805
		SP788	5.65	6	0.35	SAP	1.055	21.391	0.063	2.656	35.735	0.188	11.920	1.088
		SP789	6	6.25	0.25	SAP	0.828	11.248	0.030	1.539	39.986	0.166	23.505	0.721
		SP790	6.25	6.5	0.25	SAP	0.446	8.480	0.019	1.272	41.229	0.164	27.238	0.509
		SP791	6.5	6.8	0.3	SAP	0.237	6.384	0.013	0.987	40.840	0.222	32.401	0.405
		SP792	6.8	7	0.2	SAP	0.269	7.152	0.016	1.143	40.401	0.145	30.341	0.434
		SP793	7	8	1	SAP	0.288	7.090	0.015	1.169	42.737	0.321	30.448	0.450
		SP794	8	8.55	0.55	SAP	0.791	6.554	0.013	1.070	40.172	0.097	31.991	0.412

		SP795	8.55	9	0.45	SAP	1.198	11.099	0.028	1.575	39.217	0.253	24.916	0.733
		SP796	9	10	1	SAP	1.003	10.039	0.024	1.634	40.585	0.240	25.170	0.676
		SP797	10	10.7	0.7	SAP	0.801	8.366	0.018	0.982	41.060	0.246	28.447	0.546
		SP798	10.7	11	0.3	SAP	1.137	13.326	0.036	0.704	37.228	0.146	24.798	0.700
		SP799	11	11.5	0.5	SAP	1.364	13.439	0.036	1.230	37.494	0.151	22.931	0.844
		SP800	11.5	12	0.5	BRK	0.823	7.929	0.018	1.038	41.063	0.343	29.691	0.488
		SP801	12	13	1	BRK	0.232	6.057	0.012	0.873	40.411	0.558	34.226	0.352
		SP802	13	14	1	BRK	0.208	5.760	0.011	0.878	39.479	1.030	36.256	0.387
23	MP0023	SP803	0	0.5	0.5	LIM	1.640	46.740	0.117	2.780	27.990	0.010	19.200	1.430
		SP804	0.5	1	0.5	LIM	1.770	32.130	0.096	2.670	23.430	0.010	18.190	1.300
		SP805	1	2	1	SAP	2.070	12.150	0.022	1.170	37.170	0.010	31.120	0.470
		SP806	2	2.4	0.4	SAP	2.030	19.430	0.037	1.120	39.990	0.000	22.880	0.890
		SP807	2.4	3	0.6	SAP	2.000	9.850	0.054	1.180	38.050	0.000	23.160	0.880
		SP808	3	4	1	SAP	1.730	20.160	0.042	1.490	33.130	0.000	26.970	0.520
		SP809	4	5	1	SAP	1.410	9.460	0.026	1.820	36.940	0.010	31.890	0.370
		SP810	5	6	1	SAP	1.030	4.990	0.032	1.670	39.080	0.010	25.110	0.220
		SP811	6	6.2	0.2	SAP	1.300	8.040	0.029	1.890	37.330	0.010	23.140	0.790
		SP812	6.2	7	0.8	SAP	1.740	5.000	0.037	0.860	35.060	0.010	30.440	0.260
		SP813	7	8	1	SAP	1.460	4.810	0.016	0.900	40.870	0.010	34.880	0.340
		SP814	8	9	1	BRK	0.510	4.350	<0.01	0.870	41.990	0.010	32.010	0.430
24	MP0024	SP815	0	1	1	LIM	1.508	45.642	0.044	1.967	9.194	0.123	2.771	3.357
		SP816	1	1.45	0.45	LIM	1.672	45.814	0.050	1.822	10.651	0.077	2.406	3.042
		SP817	1.45	2	0.55	LIM	1.913	34.112	0.115	1.339	19.253	0.074	10.615	2.196
		SP818	2	2.67	0.67	SAP	2.023	21.292	0.065	0.683	33.051	0.055	16.377	1.255
		SP819	2.67	3	0.33	SAP	1.616	10.061	0.027	0.365	40.807	0.057	25.337	0.629
		SP820	3	4	1	SAP	1.693	10.147	0.026	0.369	40.934	0.096	24.596	0.693
		SP821	4	4.55	0.55	SAP	1.837	14.366	0.041	0.493	39.904	0.080	19.171	0.999
		SP822	4.55	5	0.45	SAP	1.424	7.076	0.016	0.276	40.978	0.058	30.814	0.491
		SP823	5	5.2	0.2	SAP	0.883	5.961	0.011	0.241	40.847	0.049	33.115	0.377
		SP824	5.2	6	0.8	SAP	0.664	5.714	0.010	0.247	41.151	0.045	33.404	0.284

		SP825	6	6.5	0.5	SAP	0.798	6.583	0.013	0.246	39.735	0.069	33.144	0.352
		SP826	6.5	7	0.5	SAP	0.406	6.216	0.012	0.373	39.473	0.122	34.189	0.413
		SP827	7	8	1	SAP	0.257	5.567	0.011	0.244	39.982	0.059	35.207	0.346
		SP828	8	9	1	SAP	0.232	4.740	<0.01	0.512	40.278	0.071	36.382	0.276
		SP829	9	10	1	BRK	0.228	5.059	<0.01	0.230	40.528	0.046	35.250	0.263
		SP830	10	11	1	BRK	0.260	5.651	0.011	0.212	39.009	0.055	35.330	0.343
25	MP0025	SP831	0	0.7	0.7	LIM	0.930	48.490	0.011	9.030	5.600	0.01	2.510	2.150
		SP832	0.7	1	0.3	LIM	0.960	49.600	0.020	8.900	6.100	0.01	2.090	2.130
		SP833	1	2	1	LIM	0.930	50.160	0.010	9.670	7.010	0.01	2.070	2.770
		SP834	2	3	1	LIM	0.960	49.250	0.010	8.760	9.080	0.01	2.340	2.350
		SP835	3	4	1	SAP	1.140	51.910	0.030	5.130	4.760	0.01	3.080	1.290
		SP836	4	5	1	SAP	1.040	50.330	0.016	6.020	7.880	0.01	5.020	1.880
		SP837	5	6	1	SAP	1.100	49.740	<0.01	5.440	8.340	0.01	4.090	1.970
		SP838	6	6.3	0.3	SAP	1.120	44.740	0.011	7.900	8.960	0.01	4.220	2.000
		SP839	6.3	7	0.7	SAP	0.610	19.890	0.031	1.020	43.590	0.01	37.010	0.930
		SP840	7	8	1	SAP	1.260	51.240	0.030	3.510	7.270	0.01	4.520	1.310
		SP841	8	9	1	SAP	1.400	46.710	0.037	4.220	9.120	0.01	4.670	1.860
		SP842	9	9.22	0.22	SAP	2.010	34.140	0.010	3.650	24.220	0.640	10.770	1.690
		SP843	9.22	10	0.78	SAP	1.430	21.430	0.010	4.550	32.090	0.010	9.650	1.340
		SP844	10	10.8	0.8	SAP	1.370	17.040	0.020	2.070	40.270	0.010	33.310	0.650
		SP845	10.8	11	0.2	SAP	1.460	6.920	0.053	1.650	45.110	0.010	36.220	0.560
		SP846	11	11.2	0.2	SAP	0.960	6.560	0.020	1.500	44.200	0.060	38.760	0.380
		SP847	11.2	12	0.8	BRK	0.940	5.360	0.011	1.360	42.660	0.040	30.220	0.280
		SP848	12	13	1	BRK	0.710	5.240	0.041	1.880	45.110	0.100	32.090	0.370
		SP849	13	14	1	BRK	0.830	5.850	0.059	1.540	43.890	0.100	30.660	0.490
26	MP0026	SP850	0	0.23	0.23	LIM	1.069	46.386	0.045	6.162	5.605	0.097	2.014	2.711
		SP851	0.23	1	0.77	LIM	1.112	47.398	0.053	6.583	3.167	0.054	1.960	2.589
		SP852	1	2	1	LIM	0.964	48.549	0.043	6.935	2.040	0.048	1.325	2.568
		SP853	2	2.75	0.75	LIM	1.039	44.838	0.037	9.792	3.184	0.098	1.809	2.405
		SP854	2.75	3	0.25	SAP	1.553	10.399	0.025	1.605	36.679	0.253	28.631	0.825

		SP855	3	3.7	0.7	SAP	2.014	9.801	0.023	1.415	38.564	0.136	27.995	0.708
		SP856	3.7	4	0.3	SAP	2.137	14.902	0.038	1.951	35.032	0.194	22.825	1.229
		SP857	4	4.35	0.35	SAP	2.012	19.740	0.053	2.775	32.227	0.192	17.282	1.556
		SP858	4.35	5	0.65	SAP	1.686	34.537	0.020	4.361	21.686	0.149	4.530	2.115
		SP859	5	5.5	0.5	SAP	0.971	6.867	0.011	0.942	40.729	0.536	33.116	0.461
		SP860	5.5	6	0.5	SAP	1.522	14.828	0.041	2.447	36.101	0.101	20.946	1.216
		SP861	6	6.3	0.3	SAP	1.220	21.587	0.059	3.168	32.228	0.121	15.500	1.645
		SP862	6.3	6.7	0.4	SAP	1.456	14.552	0.036	2.147	39.123	0.564	21.953	1.439
		SP863	6.7	7	0.3	SAP	1.056	11.105	0.028	1.433	39.701	0.091	25.627	0.923
		SP864	7	7.35	0.35	SAP	1.343	11.130	0.027	1.643	38.648	0.214	25.483	0.791
		SP865	7.35	7.7	0.35	SAP	1.684	17.680	0.049	1.754	36.888	0.243	16.765	1.536
		SP866	7.7	8	0.3	SAP	1.413	27.382	0.078	3.153	31.584	0.185	6.805	2.062
		SP867	8	8.45	0.45	SAP	1.232	26.852	0.075	4.014	32.496	0.175	6.067	2.160
		SP868	8.45	8.8	0.35	SAP	1.230	19.201	0.051	3.195	36.427	0.473	13.450	1.855
		SP869	8.8	9	0.2	SAP	0.638	11.972	0.032	3.136	37.896	0.416	23.862	1.435
		SP870	9	9.2	0.2	SAP	0.996	15.651	0.042	2.736	37.986	1.013	18.369	1.337
		SP871	9.2	9.42	0.22	SAP	0.449	10.481	0.028	2.815	38.221	0.198	28.218	0.828
		SP872	9.42	10	0.58	SAP	0.774	12.190	0.032	1.487	37.974	0.128	25.608	0.991
		SP873	10	10.6	0.55	SAP	0.583	11.299	0.030	1.425	38.840	0.306	27.744	0.862
		SP874	10.6	11	0.45	SAP	0.702	15.050	0.042	1.705	38.312	0.493	20.110	1.015
		SP875	11	11.2	0.2	SAP	0.568	11.513	0.030	1.796	39.740	0.244	24.311	0.779
		SP876	11.2	12	0.8	BRK	0.261	6.950	0.013	0.897	39.764	0.331	35.181	0.490
27	MP0027	SP877	0	1	1	LIM	0.780	35.825	0.105	7.774	13.927	0.249	7.200	2.365
		SP878	1	1.3	0.3	SAP	0.624	11.651	0.030	2.154	37.653	0.583	27.687	0.854
		SP879	1.3	2	0.7	SAP	0.525	12.613	0.034	2.221	37.256	0.357	26.615	0.927
		SP880	2	2.25	0.25	SAP	0.604	10.682	0.027	1.833	39.230	0.713	25.368	1.082
		SP881	2.25	3	0.75	BRK	0.256	7.518	0.012	1.095	41.657	0.896	32.916	0.454
		SP882	3	4	1	BRK	0.226	7.298	0.011	0.924	39.926	0.580	34.477	0.441
		SP883	4	5	1	BRK	0.219	7.003	0.011	0.934	39.359	0.470	35.073	0.387
		SP884	5	6	1	BRK	2.220	6.270	0.010	0.909	39.686	0.452	36.020	0.438

28	MP0028	SP885	0	0.75	0.75	LIM	1.310	40.251	0.135	4.723	7.683	0.126	4.552	9.960
		SP886	0.75	1	0.25	SAP	2.117	17.913	0.059	1.664	27.745	0.085	22.914	4.989
		SP887	1	2	1	SAP	2.226	20.070	0.061	1.211	28.863	0.057	20.978	1.652
		SP888	2	3	1	SAP	2.060	13.099	0.036	0.939	35.059	0.088	26.318	2.022
		SP889	3	4	1	SAP	1.861	9.723	0.024	0.575	38.743	0.066	29.497	0.795
		SP890	4	5	1	SAP	1.652	10.641	0.026	0.517	38.544	0.147	28.140	1.079
		SP891	5	6	1	SAP	1.211	8.963	0.021	0.449	40.656	0.065	29.167	0.746
		SP892	6	7	1	SAP	0.855	8.126	0.017	0.517	41.044	0.099	30.092	0.571
		SP893	7	8	1	SAP	0.420	8.600	0.021	0.464	40.693	0.081	30.163	0.573
		SP894	8	9	1	SAP	0.510	10.989	0.029	0.454	41.334	0.191	26.200	0.780
		SP895	9	10	1	SAP	0.518	10.358	0.027	0.431	42.374	0.082	26.443	0.763
		SP896	10	10.4	0.35	SAP	0.337	6.865	0.015	0.341	42.503	0.081	32.140	0.483
		SP897	10.4	11	0.65	SAP	0.725	10.592	0.026	0.527	40.804	0.090	27.155	0.768
		SP898	11	12	1	BRK	0.354	6.652	0.013	0.483	42.753	0.240	33.047	0.419
		SP899	12	13	1	BRK	0.223	5.974	0.011	0.740	39.716	0.584	35.147	0.411
29	MP0029	SP900	0	0.6	0.6	LIM	0.921	32.924	0.102	4.228	23.041	0.284	3.492	2.090
		SP901	0.6	1	0.4	SAP	0.991	12.686	0.039	1.949	38.941	0.517	23.924	0.893
		SP902	1	2	1	SAP	0.917	13.817	0.037	1.882	40.726	0.558	19.599	0.956
		SP903	2	2.4	0.4	SAP	0.783	11.710	0.028	1.856	43.111	1.733	19.846	0.879
		SP904	2.4	3	0.6	SAP	0.476	7.406	0.014	1.086	44.101	2.277	27.906	0.546
		SP905	3	4	1	SAP	0.592	12.956	0.035	1.737	44.521	0.608	18.083	0.901
		SP906	4	5	1	BRK	0.278	6.830	0.015	1.006	41.470	0.542	32.398	0.422
		SP907	5	6	1	BRK	0.225	6.260	0.013	1.040	41.993	0.914	34.141	0.438
30	MP0030	SP908	0	0.16	0.16	LIM	1.586	35.463	0.075	2.864	13.877	0.117	3.589	6.756
		SP909	0.16	0.6	0.44	LIM	1.703	36.507	0.017	2.822	15.358	0.125	3.808	4.999
		SP910	0.6	1	0.4	SAP	1.921	17.641	0.067	1.608	33.675	0.525	18.352	1.930
		SP911	1	1.15	0.15	SAP	1.802	16.126	0.054	1.249	32.419	0.098	21.855	1.686
		SP912	1.15	1.5	0.35	SAP	1.191	7.823	0.018	1.168	38.116	0.083	28.935	0.597
		SP913	1.5	2	0.5	SAP	0.934	8.224	0.018	0.886	39.803	0.075	30.331	0.655
		SP914	2	2.55	0.55	SAP	0.693	7.867	0.018	0.833	40.939	0.158	30.286	0.661

		SP915	2.55	3	0.45	BRK	0.278	6.057	0.011	0.880	38.961	0.317	34.933	0.427
		SP916	3	4	1	BRK	0.427	6.453	0.012	0.956	41.787	0.140	34.087	0.432
		SP917	4	5	1	BRK	0.237	5.978	0.011	0.995	39.424	0.098	34.272	0.427
31	MP0031	SP918	0	0.2	0.2	LIM	1.164	38.332	0.118	5.643	14.078	0.342	4.062	3.349
		SP919	0.2	0.4	0.2	SAP	1.218	14.559	0.040	2.332	32.635	0.440	23.725	1.267
		SP920	0.4	0.8	0.4	SAP	1.117	7.915	0.017	0.881	38.864	0.233	31.999	0.634
		SP921	0.8	1	0.2	SAP	1.365	11.362	0.029	1.593	36.415	0.166	27.478	0.858
		SP922	1	1.35	0.35	SAP	1.130	9.593	0.023	1.536	37.878	0.105	28.754	0.767
		SP923	1.35	2	0.65	SAP	0.349	6.320	0.012	1.135	42.654	0.810	34.935	0.462
		SP924	2	3	1	SAP	0.295	6.626	0.013	0.918	39.379	0.795	32.425	0.474
		SP925	3	4	1	SAP	0.804	9.901	0.023	2.881	39.181	0.389	25.457	0.724
		SP926	4	4.35	0.35	SAP	0.238	6.385	0.013	0.673	42.208	0.808	33.560	0.432
		SP927	4.35	5	0.65	SAP	0.814	11.971	0.031	2.155	39.203	0.238	23.463	0.838
		SP928	5	6	1	BRK	0.234	6.153	0.013	0.578	41.246	0.434	34.549	0.444
32	MP0032	SP929	0	0.5	0.5	LIM	1.153	43.768	0.035	6.035	8.319	0.171	2.974	2.850
		SP930	0.5	1	0.5	SAP	1.221	19.802	0.065	3.037	28.739	0.541	21.229	1.497
		SP931	1	1.75	0.75	SAP	0.755	7.130	0.014	1.725	38.801	2.287	31.051	0.618
		SP932	1.75	2	0.25	BRK	0.302	6.408	0.013	0.542	40.705	0.467	35.389	0.422
		SP933	2	3	1	BRK	0.242	6.195	0.013	0.538	40.013	0.326	34.690	0.389
		SP934	3	4	1	BRK	0.223	6.064	0.012	0.566	38.711	0.260	35.746	0.375
33	MP0033	SP935	0	0.2	0.2	LIM	1.247	36.856	0.015	4.902	13.758	0.387	5.078	2.804
		SP936	0.2	0.7	0.5	LIM	1.376	39.416	0.016	5.181	13.745	0.335	4.662	2.755
		SP937	0.7	1	0.3	SAP	1.503	24.642	0.070	3.759	29.098	1.068	14.413	1.828
		SP938	1	1.3	0.3	SAP	1.795	13.066	0.032	1.770	38.348	0.710	24.335	0.909
		SP939	1.3	1.55	0.25	SAP	2.053	10.291	0.024	1.396	39.413	0.656	26.821	0.731
		SP940	1.55	2	0.45	SAP	2.094	14.384	0.037	2.261	38.466	0.741	21.608	1.117
		SP941	2	2.5	0.5	SAP	2.320	10.708	0.025	1.776	39.755	1.051	24.642	0.904
		SP942	2.5	2.8	0.3	SAP	1.463	22.558	0.065	3.047	29.536	0.478	15.817	1.700
		SP943	2.8	3	0.2	SAP	1.369	9.234	0.023	1.198	39.158	0.170	29.496	0.674
		SP944	3	3.75	0.75	SAP	1.390	7.362	0.015	0.945	40.848	0.167	31.155	0.526

		SP945	3.75	4	0.25	SAP	1.736	12.143	0.031	1.262	40.174	0.185	24.087	1.025
		SP946	4	4.7	0.7	SAP	1.028	7.065	0.014	0.736	40.700	0.338	31.680	0.472
		SP947	4.7	5	0.3	SAP	1.179	9.815	0.022	1.153	42.212	0.360	26.540	0.850
		SP948	5	5.35	0.35	SAP	0.778	6.506	0.012	0.705	40.268	0.464	33.002	0.429
		SP949	5.35	5.6	0.25	SAP	1.072	8.157	0.017	1.193	41.966	0.219	28.669	0.757
		SP950	5.6	6	0.4	SAP	0.723	6.998	0.037	0.780	40.115	0.316	32.971	0.421
		SP951	6	6.4	0.4	BRK	0.289	5.349	0.016	0.622	40.115	0.079	35.979	0.379
		SP952	6.4	7	0.6	BRK	0.235	5.851	<0.01	0.853	41.530	0.704	35.667	0.420
		SP953	7	8	1	BRK	0.220	6.033	0.011	0.732	39.251	0.888	36.825	0.386
		SP954	8	9	1	BRK	0.239	6.189	0.031	0.351	38.567	0.485	36.713	0.404
34	MP0034	SP955	0	0.2	0.2	LIM	1.390	39.704	0.130	3.385	12.629	0.276	2.918	3.277
		SP956	0.2	1	0.8	LIM	1.439	40.439	0.037	3.313	14.131	0.197	3.601	3.149
		SP957	1	1.5	0.5	SAP	2.209	23.596	0.080	2.319	28.834	0.243	14.751	1.667
		SP958	1.5	2	0.5	SAP	2.021	27.939	0.078	2.795	29.432	0.136	8.483	1.614
		SP959	2	2.15	0.15	SAP	1.741	20.614	0.058	2.652	33.417	0.083	15.711	1.367
		SP960	2.15	2.7	0.55	SAP	2.221	23.251	0.062	2.740	35.329	0.146	8.845	1.553
		SP961	2.7	3	0.3	SAP	1.668	17.255	0.049	1.682	34.648	0.064	21.126	1.481
		SP962	3	4	1	SAP	2.245	15.496	0.039	1.104	39.380	0.153	18.117	1.007
		SP963	4	5	1	SAP	1.825	26.076	0.074	0.857	30.740	0.055	12.686	1.882
		SP964	5	5.2	0.2	SAP	1.547	20.221	0.057	1.430	35.075	0.080	16.556	1.580
		SP965	5.2	5.65	0.45	SAP	1.904	28.216	0.079	0.482	29.587	0.041	11.529	1.700
		SP966	5.65	6	0.35	SAP	1.831	23.272	0.065	0.635	33.742	0.036	13.919	1.572
		SP967	6	7	1	SAP	1.472	8.878	0.020	0.343	38.931	0.035	29.053	0.551
		SP968	7	7.75	0.75	SAP	1.867	15.102	0.042	0.335	35.309	0.039	22.651	1.224
		SP969	7.75	8	0.25	SAP	1.375	13.197	0.035	0.607	38.368	0.033	23.946	0.835
		SP970	8	8.55	0.55	SAP	1.660	14.101	0.038	0.390	37.118	0.039	24.356	0.882
		SP971	8.55	9	0.45	SAP	0.914	7.141	0.016	0.491	40.479	0.039	32.846	0.553
		SP972	9	10	1	BRK	0.423	6.124	0.012	0.529	39.828	0.056	34.281	0.483
		SP973	10	11	1	BRK	0.259	5.955	0.012	0.709	39.643	0.359	34.261	0.456
35	MP0034EX	SP974	0	0.6	0.6	LIM	0.314	47.170	0.164	4.459	6.090	0.121	2.317	3.177

		SP975	0.6	1	0.4	LIM	0.351	49.026	0.159	4.385	6.054	0.094	2.110	2.954
		SP976	1	1.3	0.3	LIM	0.772	46.928	0.181	5.338	4.653	0.080	1.748	7.437
		SP977	1.3	1.6	0.3	SAP	1.276	31.102	0.004	2.866	20.014	0.069	14.237	2.363
		SP978	1.6	2	0.4	SAP	1.698	7.845	0.013	0.490	38.563	0.075	33.139	0.436
		SP979	2	2.5	0.5	SAP	1.404	7.471	0.012	0.493	39.571	0.098	32.961	0.389
		SP980	2.5	3	0.5	SAP	1.341	12.208	0.032	1.140	36.489	0.078	28.796	0.946
		SP981	3	3.35	0.35	SAP	1.501	34.814	0.090	3.321	18.443	0.109	10.726	1.769
		SP982	3.35	4	0.65	SAP	1.573	8.481	0.013	0.912	39.353	1.236	33.165	0.587
		SP983	4	4.35	0.35	SAP	1.208	8.092	0.013	0.710	41.867	0.742	34.787	0.482
		SP984	4.35	4.7	0.35	SAP	1.325	16.968	0.045	1.785	38.700	1.055	21.797	1.174
		SP985	4.7	5	0.3	BRK	0.846	9.314	0.013	0.770	40.176	0.910	33.939	0.537
		SP986	5	6	1	BRK	0.220	7.731	0.012	0.910	40.329	0.765	36.202	0.461
		SP987	6	6.5	0.5	BRK	0.218	7.740	0.012	0.880	39.947	1.219	35.976	0.495
36	MP0035	SP988	0	0.2	0.2	LIM	1.234	36.897	0.006	2.891	18.254	0.219	3.227	3.657
		SP989	0.2	1	0.8	LIM	1.352	38.244	0.012	2.976	18.541	0.221	3.391	4.075
		SP990	1	1.47	0.47	SAP	1.966	18.848	0.052	1.714	35.317	0.431	16.543	1.386
		SP991	1.47	2	0.53	SAP	2.020	15.075	0.040	0.766	37.147	0.085	21.097	1.107
		SP992	2	2.34	0.34	SAP	2.147	19.692	0.056	0.891	36.106	0.065	14.988	1.433
		SP993	2.34	3	0.66	SAP	1.601	8.755	0.021	0.329	40.315	0.055	28.667	0.591
		SP994	3	4	1	SAP	0.842	7.097	0.016	0.259	41.075	0.044	31.657	0.408
		SP995	4	4.7	0.7	SAP	1.428	11.430	0.030	0.494	40.936	0.129	24.001	0.683
		SP996	4.7	5	0.3	SAP	1.325	12.123	0.033	0.768	41.556	0.280	22.014	0.822
		SP997	5	5.33	0.33	SAP	1.405	13.023	0.035	0.403	41.049	0.082	21.352	0.824
		SP998	5.33	6	0.67	SAP	1.098	8.805	0.021	0.272	40.100	0.046	29.614	0.522
		SP999	6	6.7	0.7	SAP	1.105	15.104	0.041	0.688	41.040	0.411	18.033	0.952
		SP1000	6.7	7	0.3	SAP	1.062	13.440	0.036	0.483	40.431	0.065	21.181	0.922
		SP1001	7	7.4	0.4	SAP	0.933	12.776	0.036	0.461	40.377	0.119	22.212	0.873
		SP1002	7.4	8	0.6	BRK	0.421	7.406	0.017	0.323	40.031	0.056	31.862	0.422
		SP1003	8	9	1	BRK	0.270	6.747	0.015	0.315	38.051	0.098	35.142	0.385
37	MP0036	SP1004	0	0.85	0.85	LIM	1.566	29.912	0.097	3.297	24.653	0.381	9.014	2.177

		SP1005	0.85	1	0.15	SAP	1.748	17.770	0.053	2.509	35.066	0.365	19.622	1.331
		SP1006	1	2	1	SAP	1.634	11.652	0.030	1.700	41.311	1.250	23.682	0.958
		SP1007	2	2.8	0.8	SAP	0.820	7.679	0.018	0.942	41.431	0.539	30.638	0.542
		SP1008	2.8	3	0.2	SAP	0.917	7.967	0.017	1.133	42.602	0.477	29.136	0.604
		SP1009	3	3.5	0.5	SAP	0.968	8.959	0.020	2.878	41.579	0.810	26.584	0.663
		SP1010	3.5	4	0.5	BRK	0.350	6.487	0.013	0.914	42.207	0.498	33.321	0.397
		SP1011	4	5	1	BRK	0.233	6.312	0.013	0.741	42.215	0.592	35.348	0.371
		SP1012	5	6	1	BRK	0.208	5.981	0.011	0.935	39.979	1.076	37.258	0.421
38	MP0041	SP1207	0	0.6	0.6	LIM	1.310	31.750	0.090	3.570	25.450	0.850	5.840	2.150
		SP1208	0.6	1	0.4	SAP	1.490	15.810	0.040	2.430	38.390	1.330	19.770	1.260
		SP1209	1	2	1	SAP	1.530	14.410	0.040	2.030	40,97	0.960	2L24	1.200
		SP1210	2	2.4	0.4	SAP	1.560	13.490	0.040	2.030	42.800	0.114	21.170	1.250
		SP1211	2.4	3	0.6	SAP	1.180	7.280	0.040	0.690	42.650	0.300	31.110	0.410
		SP1212	3	3.5	0.5	SAP	0.865	10.170	0.030	1.160	46.770	0.630	25.230	0.830
		SP1213	3.5	3.75	0.25	SAP	0.780	7.860	0.020	0.650	43.740	0.550	30.390	0.570
		SP1214	3.75	4	0.25	SAP	1.220	17.380	0.050	1,71	44.500	0.460	12,50	1.500
		SP1215	4	4.4	0.4	SAP	1.200	14,43	0.040	0.970	40.700	0.590	19.570	1.120
		SP1216	4.4	5	0.6	BRK	0.350	7.190	0.020	0.800	43.480	0.820	31,44	0.520
		SP1217	5	6	1	BRK	0.380	7,02	0.020	0.690	44.960	1.420	3L24	0.560
		SP1218	6	7	1	BRK	0.580	8.930	0.020	0.640	40.450	0.410	28.720	0.690
\	MP0042	SP1200	0	1	1	LIM	1.220	31.550	0.010	2.760	23.430	0.340	6.480	2.710
39		SP1201	1	2	1	SAP	1.300	11.450	0.030	1.120	41.290	0.730	25.740	0.900
		SP1202	2	3	1	SAP	1.100	8.540	0.020	0.950	40.540	0.240	30.240	0.620
		SP1203	3	4	1	SAP	1.110	12.160	0.030	1.190	42,10	0.230	23.590	0.900
		SP1204	4	4	0	BRK	0.350	7.050	0.020	1.040	42.150	0.770	32.180	0.560
		SP1205	5	6	1	BRK	0.260	6.060	0.010	1.090	41.590	0.650	33.460	0.480
		SP1206	5	6	1	BRK	0.220	6.050	0.010	0.630	40.600	0.840	36.410	0.440

TABEL DATA HASIL VALIDASI GEOKIMIA BLOK X

DEPTH	RATA - RATA UNSUR								LAYER
	Ni	Fe	Co	Al_2O_3	SiO_2	CaO	MgO	Cr_2O_3	
-19	0.726	43.755	0.077	9.720	10.396	0.038	0.683	1.787	LIM
-18	0.792	45.001	0.077	10.055	8.670	0.047	0.739	1.905	LIM
-17	0.802	44.074	0.089	9.688	8.868	0.048	0.985	2.099	LIM
-16	0.789	43.667	0.092	9.580	9.227	0.075	1.112	2.141	LIM
-15	0.792	43.766	0.100	10.000	8.621	0.090	1.343	2.165	LIM
-14	0.816	44.627	0.102	9.849	7.881	0.078	1.248	2.011	LIM
-13	0.831	45.117	0.105	9.757	7.380	0.084	1.103	2.021	LIM
-12	0.793	45.704	0.103	10.094	6.581	0.064	0.775	2.022	LIM
-11	0.787	45.498	0.103	10.179	6.597	0.063	0.743	2.021	LIM
-10	0.791	45.441	0.102	10.183	6.424	0.091	0.767	1.905	LIM
-9	0.822	45.639	0.103	10.218	6.251	0.053	0.696	1.802	LIM
-8	0.858	45.645	0.100	10.422	5.960	0.052	0.616	1.845	LIM
-7	0.881	45.487	0.103	9.901	6.691	0.053	0.626	1.870	LIM
-6	0.929	45.586	0.104	9.691	6.520	0.081	0.605	1.850	LIM
-5	0.965	45.905	0.109	9.387	6.209	0.058	0.677	1.775	LIM
-4	1.035	45.871	0.115	8.810	6.333	0.063	0.759	1.729	LIM
-3	1.118	45.753	0.107	8.256	7.035	0.064	0.875	1.599	LIM
-2	1.200	44.736	0.114	8.268	7.959	0.060	1.244	1.658	LIM
-1	1.317	39.784	0.104	7.811	12.296	0.082	4.300	1.496	LIM
1	1.482	31.014	0.084	6.116	25.234	0.196	7.911	1.219	SAP
2	1.558	28.670	0.082	5.475	27.191	0.236	9.762	1.253	SAP
3	1.520	26.732	0.072	4.699	28.975	0.246	11.882	1.116	SAP
4	1.569	24.598	0.062	4.505	32.288	0.240	11.923	0.980	SAP
5	1.506	19.711	0.056	4.063	36.263	0.352	17.198	0.838	SAP

6	1.436	18.050	0.056	3.739	37.396	0.370	19.060	0.750	SAP
7	1.505	18.574	0.052	3.809	35.885	0.368	18.471	0.835	SAP
8	1.545	16.236	0.051	3.287	38.476	0.471	20.692	0.668	SAP
9	1.652	14.460	0.045	3.254	39.695	0.451	21.777	0.687	SAP
10	1.497	12.800	0.040	2.885	40.865	0.480	24.202	0.664	SAP
11	1.480	14.902	0.044	3.086	39.860	0.424	22.496	0.658	SAP
12	1.437	12.386	0.038	3.554	39.513	0.542	25.351	0.715	SAP
13	1.417	12.695	0.039	2.452	39.602	0.568	25.545	0.622	SAP
14	1.550	13.335	0.048	2.743	39.765	0.558	25.147	0.592	SAP
15	1.675	14.807	0.055	3.142	37.720	0.350	23.031	0.731	SAP
16	0.765	8.988	0.029	2.014	42.753	0.452	29.976	0.523	BRK
17	0.718	8.480	0.033	2.318	45.830	0.557	27.222	0.525	BRK
18	0.431	8.090	0.018	1.550	42.501	0.553	31.788	0.494	BRK

TABEL DATA HASIL VALIDASI GEOKIMIA BLOK Y

DEPTH	RATA - RATA UNSUR								LAYER
	Ni	Fe	Co	Al_2O_3	SiO_2	CaO	MgO	Cr_2O_3	
-3	1.027	42.373	0.072	4.832	11.895	0.264	4.062	2.521	LIM
-2	1.166	37.299	0.062	4.664	18.073	0.345	6.914	2.354	LIM
-1	1.274	35.235	0.064	4.648	19.481	0.327	7.208	2.513	LIM
1	1.437	18.025	0.041	3.016	31.484	0.708	19.076	1.393	SAP
2	1.385	14.786	0.033	2.399	35.341	0.649	21.819	1.130	SAP
3	1.248	12.400	0.038	1.990	37.010	0.526	23.275	0.966	SAP
4	1.276	12.610	0.031	1.760	38.641	0.555	24.875	0.822	SAP
5	1.085	12.514	0.031	1.756	39.315	0.513	25.334	0.845	SAP
6	1.066	12.830	0.027	1.574	38.178	0.602	24.441	0.828	SAP
7	1.018	14.004	0.035	1.770	38.813	0.462	23.558	0.841	SAP
8	1.047	12.781	0.029	1.628	39.855	0.530	24.336	0.829	SAP
9	0.920	11.148	0.030	1.679	39.956	0.476	25.638	0.791	SAP
10	0.813	10.435	0.023	1.351	40.391	0.444	26.904	0.746	SAP
11	0.785	9.611	0.026	1.227	41.183	0.401	27.773	0.577	SAP
12	0.814	10.939	0.027	1.133	40.891	0.362	26.185	0.767	SAP
13	0.737	9.056	0.029	1.251	40.765	0.353	26.088	0.773	SAP
14	0.843	11.449	0.031	1.201	38.966	0.359	25.059	0.870	SAP
15	0.852	8.676	0.025	1.487	37.299	0.253	24.495	0.913	SAP
16	0.473	7.016	0.021	1.255	41.199	0.497	31.622	0.533	BRK
17	0.376	6.123	0.021	1.226	41.064	0.581	33.473	0.496	BRK
18	0.366	6.317	0.017	0.895	39.963	0.560	34.779	0.451	BRK

No sayatan / No conto	**: DW/Y/MP0021**	**Satuan**	**: Peridotit**
Lokasi	**: Larolanu**	**Nama Batuan**	**: Lherzolit Terserpentinisasi**
Tipe Batuan	**: Batuan Beku**		
Tipe Stuktur	**: Massif**		

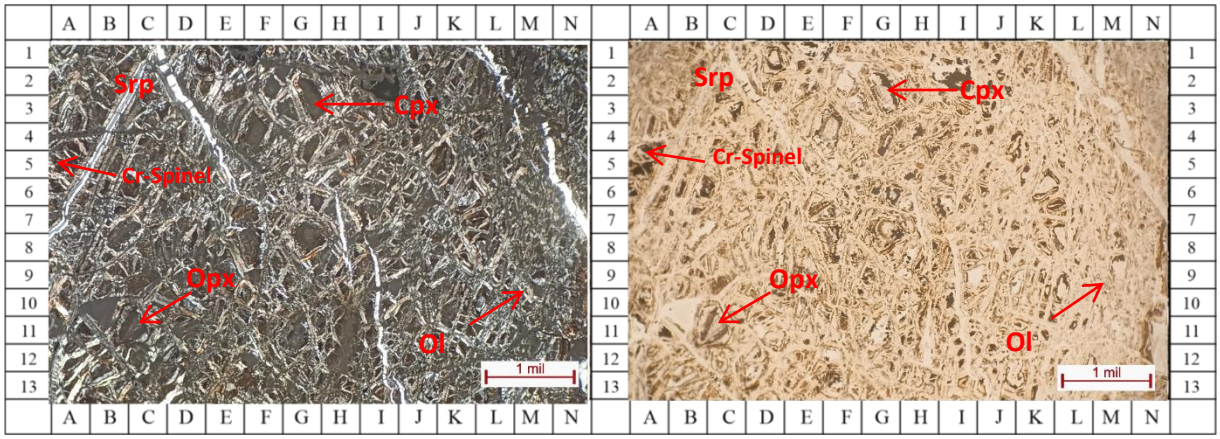
Mikroskopis :

Warna absorpsi tidak berwarna – putih kekuningan, warna interferensi kuning hingga biru keunguan (orde I), tekstur poikiloblastik bentuk mineral subhedral-anhedral, ukuran mineral 0,1-1.75 mm, komposisi mineral serpentin, olivin, ortopiroksin, dan Cr-spinel. Tekstur khusus mineral serpentin berupa *mesh, flaky/blades* dan hampir mineral olivin dan piroksin telah terserpentinisasi secara menyeluruh

Deskripsi Material

Komposisi Material	Jumlah (%)	Keterangan Optik Material
• **Serpentin (Srp)**	85	Warna absorbsi coklat muda, warna interferensi putih keabu-abuan, bentuk subhedral – anhedral, relief rendah, intensitas sedang, jenis pemadaman bergelombang dan ukuran mineral 0.1- 1.75 mm.
• **Olivin (Ol)**	5	Warna absorbsi putih kecoklatan, warna interferensi biru, merah dan coklat, bentuk euhedral - subhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0,5 – 1.5 mm, jenis gelapan miring dengan sudut gelapan 23°
• **Orthopiroksin (Opx)**	5	Warna absorbsi putih kecoklatan, warna interferensi coklat kehitaman, bentuk subhedral - anhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0,25 – 0.8 mm, jenis gelapan miring dengan sudut gelapan 4°
• **Klinopiroksin (Cpx)**	2	Warna absorbsi putih kecoklatan, warna interferensi kuning kecoklatan. Bentuk subhedral – anhedral, pleokroisme monokroik, relief sedang, belahan satu arah, ukuran mineral 0,25 – 0.65 mm , jenis gelapan miring dengan sudut gelapan 32°.
• **Cr- Spinel**	3	Warna absorbsi coklat kehitaman, warna interferensi coklat, bentuk subhedral – anhedral, intensitas rendah, ukuran mineral 0.07 – 0.25 mm.

Foto :



X – Nikol *//– Nikol*

Lensa Okuler : 10x *Lensa Obyektif : 4x* *Perbesaran Total : 40x*

No sayatan / No conto	**: DW/X/MP0141**	**Satuan**	**: Peridotit**
Lokasi	**: Larolanu**	**Nama Batuan**	**: Lherzolit Terserpentinisasi**
Tipe Batuan	**: Batuan Beku**		
Tipe Stuktur	**: Massif**		

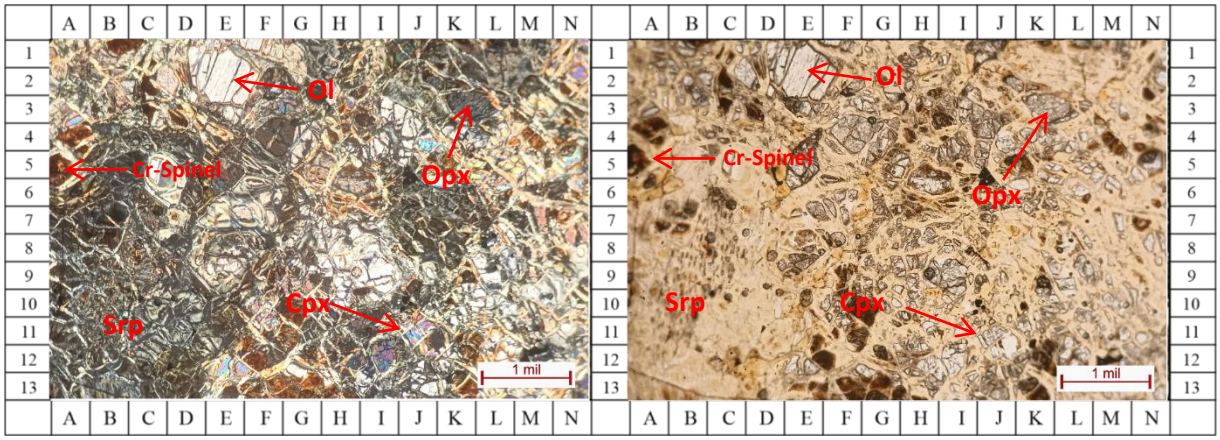
Mikroskopis :

Warna absorpsi tidak berwarna – putih kecoklatan, warna interferensi putih hingga biru keunguan (orde I), tekstur batuan kristalinitas Holokritalin, granularitas faneritik, fabrik equigranular, bentuk mineral subhedral-anhedral, ukuran mineral 0,02 - 1.5 mm, komposisi mineral olivin, ortopiroksin, Cr-spinel, dan serpentin. Tekstur khusus mineral serpentin berupa veinlet dan mesh memasuki celah-celah mineral olivin yang mengindikasi terjadinya proses serpentinisasi

Deskripsi Material

Komposisi Material	Jumlah (%)	Keterangan Optik Material
• **Serpentin (Srp)**	55	Warna absorbsi coklat muda, warna interferensi putih keabu-abuan, bentuk subhedral – anhedral, relief rendah, intensitas sedang, jenis pemadaman bergelombang dan ukuran mineral 0.1- 0.8 mm.
• **Olivin (Ol)**	20	Warna absorbsi putih kecoklatan, warna interferensi biru, merah dan coklat, bentuk euhedral - subhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0,5 – 1.5 mm, jenis gelapan miring dengan sudut gelapan 35°
• **Orthopiroksin (Opx)**	10	Warna absorbsi putih kecoklatan, warna interferensi coklat kehitaman, bentuk subhedral - anhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0,25 – 0.75 mm, jenis gelapan miring dengan sudut gelapan 3°
• **Klinopiroksin (Cpx)**	12	Warna absorbsi putih kecoklatan, warna interferensi kuning kecoklatan. Bentuk subhedral – anhedral, pleokroisme monokroik, relief sedang, belahan satu arah, ukuran mineral 0,25 – 1.25 mm , jenis gelapan miring dengan sudut gelapan 38°.
• **Cr- Spinel**	3	Warna absorbsi coklat kehitaman, warna interferensi coklat, bentuk subhedral – anhedral, intensitas rendah, ukuran mineral 0.07 – 0.25 mm.

Foto :



X – Nikol *//– Nikol*

Lensa Okuler : 10x *Lensa Obyektif : 4x* *Perbesaran Total : 40x*

No sayatan / No conto	**: DW/ST2**	**Satuan**	**: Peridotit**
Lokasi	**: Larolanu**	**Nama Batuan**	**: Lherzolit Terserpentinisasi**
Tipe Batuan	**: Batuan Ultramafik**		
Tipe Stuktur	**: Masif**		

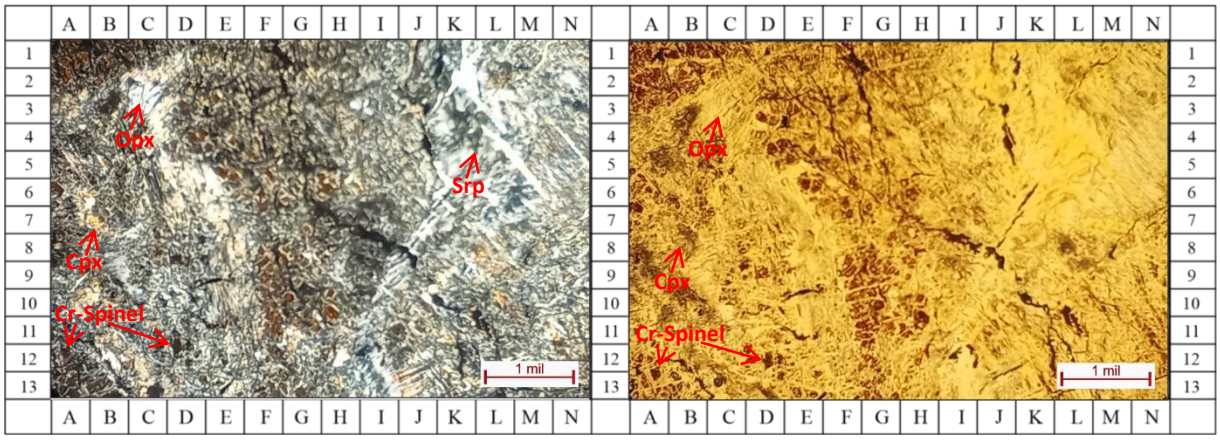
Mikroskopis :

Warna absorbsi *colorless* - kuning kecoklatan, warna interferensi abu-abu kehijauan, tekstur batuan kristalinitas holokritalin, granularitas faneritik, fabrik equigranular, bentuk mineral euhedral-subhedral, ukuran mineral 0.01 - 0.5 mm, komposisi mineral ortopiroksin, klinopiroksin, Cr-spinel, dan serpentin.

Deskripsi Material

Komposisi Material	Jumlah (%)	Keterangan Optik Material
• **Serpentin (Srp)**	65	Warna absorbsi *colorless*, warna interferensi putih kehijauan, bentuk subhedral – anhedral, relief rendah, intensitas sedang, pleokroisme tidak ada, jenis pemadaman paralel, sudut gelapan 60°, dan ukuran mineral 0.07-0.3 mm.
• **Orthopiroksin (Opx)**	10	Warna absorbsi *colorless*, warna interferensi putih, bentuk subhedral - anhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0,15 – 0.5 mm, jenis gelapan paralel, sudut gelapan 58°, nama mineral enstatit.
• **Klinopiroksin (Cpx)**	15	Warna absorbsi *colorless*, warna interferensi kuning keemasan, bentuk subhedral – anhedral, pleokroisme monokroik, relief sedang, belahan satu arah, ukuran mineral 0.1 – 0.3 mm, jenis gelapan miring, sudut gelapan 36°, nama mineral augit.
• **Cr- Spinel**	10	Warna absorbsi coklat kehitaman, warna interferensi coklat, relief tinggi, bentuk subhedral – anhedral, belahan tidak ada, pleokroisme tidak ada, kembaran tidak ada, ukuran mineral 0.01 – 0.1 mm.

Foto :



X – Nikol *//– Nikol*

Lensa Okuler : 10x *Lensa Obyektif : 4x* *Perbesaran Total : 40x*

No sayatan / No conto	**: DW/ST3/MP0141**	**Satuan**	**: Peridotit**
Lokasi	**: Larolanu**	**Nama Batuan**	**: Lherzolit Terserpentinisasi**
Tipe Batuan	**: Batuan Ultramafik**		
Tipe Stuktur	**: Masif**		

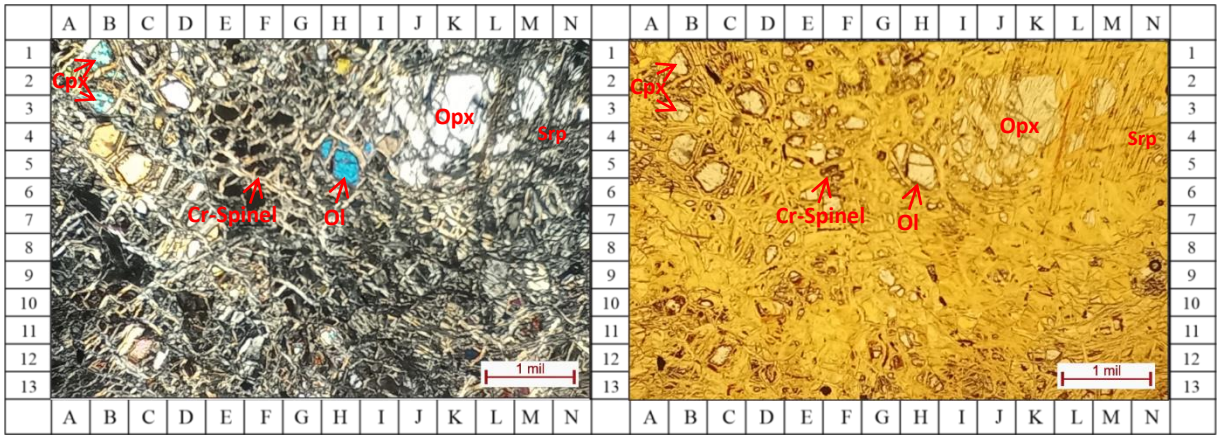
Mikroskopis :

Warna absorbsi *colorless* - kuning kecoklatan, warna interferensi abu-abu kehijauan hingga kebiruan, tekstur batuan kristalinitas holokritalin, granularitas faneritik, fabrik equigranular, bentuk mineral euhedral-subhedral, ukuran mineral 0.08 - 0.8 mm, komposisi mineral olivin, ortopiroksin, klinopiroksin, Cr-spinel, dan serpentin.

Deskripsi Material

Komposisi Material	Jumlah (%)	Keterangan Optik Material
• **Serpentin (Srp)**	65	Warna absorbsi *colorless*, warna interferensi abu-abu kehijauan, bentuk subhedral – anhedral, relief rendah, intensitas sedang, pleokroisme tidak ada, jenis gelapan paralel, sudut gelapan 57°, dan ukuran mineral 0.08- 0.5 mm.
• **Olivin (Ol)**	10	Warna absorbsi *colorless*, warna interferensi biru, bentuk euhedral - subhedral, relief kuat, intensitas sedang, belahan satu arah, kembaran tidak ada, ukuran mineral 0.3 – 0.7 mm, jenis gelapan paralel, sudut gelapan 64°
• **Orthopiroksin (Opx)**	12	Warna absorbsi *colorless*, warna interferensi putih, bentuk euhedral – subhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0.25 – 0.75 mm, jenis gelapan paralel, sudut gelapan 55°, nama mineral enstatit.
• **Klinopiroksin (Cpx)**	10	Warna absorbsi *colorless*, warna interferensi biru muda hingga kuning keemasan, bentuk euhedral – subhedral, pleokroisme monokroik, relief sedang, belahan satu arah, ukuran mineral 0.2 – 0.8 mm, jenis gelapan miring, sudut gelapan 35°, nama mineral augit.
• **Cr- Spinel**	3	Warna absorbsi coklat kehitaman, warna interferensi coklat, relief tinggi, bentuk subhedral – anhedral, belahan tidak ada, pleokroisme tidak ada, kembaran tidak ada, ukuran mineral 0.05 – 0.25 mm.

Foto :



X – Nikol *//– Nikol*

Lensa Okuler : 10x *Lensa Obyektif : 4x* *Perbesaran Total : 40x*

No sayatan / No conto	**: DW/ST4/MP0141**	**Satuan**	**: Peridotit**
Lokasi	**: Larolanu**	**Nama Batuan**	**: Lherzolit Terserpentinisasi**
Tipe Batuan	**: Batuan Ultramafik**		
Tipe Stuktur	**: Masif**		

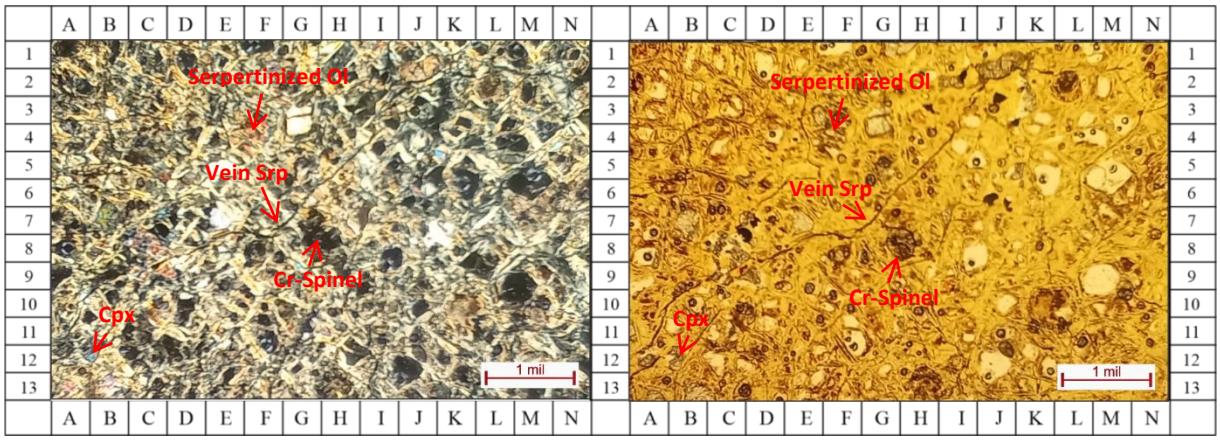
Mikroskopis :

Warna absorpsi *colorless* – kecoklatan, warna interferensi kuning keemasan hingga abu-abu kehitaman, tekstur batuan kristalinitas Holokritalin, granularitas faneritik, fabrik equigranular, bentuk mineral subhedral-anhedral, ukuran mineral 0.05 – 0.9 mm, komposisi mineral olivin terserpentinisasi, klinopiroksin, Cr-spinel, dan serpentin. Tekstur khusus mineral serpentin berupa veinlet dan mesh memasuki celah-celah mineral olivin yang mengindikasi terjadinya proses serpentinisasi

Deskripsi Material

Komposisi Material	Jumlah (%)	Keterangan Optik Material
• **Serpentin (Srp)**	585	Warna absorbsi *colorless*, warna interferensi abu-abu kehijauan, bentuk subhedral – anhedral, relief rendah, intensitas sedang, pleokroisme tidak ada, jenis pemadaman paralel, sudut gelapan 62°, dan ukuran mineral 0.1-0.5 mm.
• **Olivin Terserpentinisasi (Serpentinized Ol)**	15	Warna absorbsi *colorless*, warna interferensi pink – biru gelap, bentuk euhedral - subhedral, relief kuat, intensitas sedang, belahan satu arah, kembaran tidak ada, ukuran mineral 0.1 – 0.9 mm, jenis gelapan paralel, sudut gelapan 58°, dipisahkan oleh tekstur mesh yang mengandung produk alterasi
• **Klinopiroksin (Cpx)**	12	Warna absorbsi *colorless*, warna interferensi biru muda, bentuk euhedral – subhedral, pleokroisme monokroik, relief sedang, belahan satu arah, ukuran mineral 0.05 – 0.4 mm, jenis gelapan miring, sudut gelapan 37°, nama mineral augit.
• **Cr- Spinel**	15	Warna absorbsi coklat kehitaman, warna interferensi coklat, relief tinggi, bentuk subhedral – anhedral, belahan tidak ada, pleokroisme tidak ada, kembaran tidak ada, ukuran mineral 0.05 – 0.3 mm.

Foto :



X – Nikol *//– Nikol*

Lensa Okuler : 10x *Lensa Obyektif : 4x* *Perbesaran Total : 40x*

No sayatan / No conto	**: DW/ST6/MP0141**	**Satuan**	**: Peridotit**
Lokasi	**: Larolanu**	**Nama Batuan**	**: Lherzolit Terserpentinisasi**
Tipe Batuan	**: Batuan Ultramafik**		
Tipe Stuktur	**: Masif**		

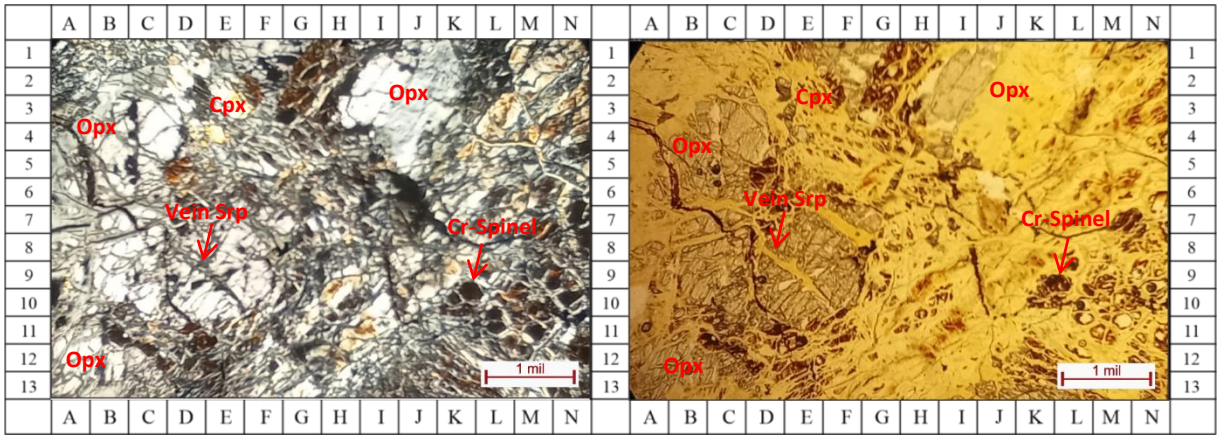
Mikroskopis :

Warna absorbsi *colorless* – abu-abu kecoklatan, warna interferensi putih keabu-abuan hingga kecoklatan, tekstur batuan kristalinitas holokritalin, granularitas faneritik, fabrik equigranular, bentuk mineral subhedral-anhedral, ukuran mineral 0.07 - 1.5 mm, komposisi mineral ortopiroksin, klinopiroksen, Cr-spinel, dan serpentin.

Deskripsi Material

Komposisi Material	Jumlah (%)	Keterangan Optik Material
• **Serpentin (Srp)**	60	Warna absorbsi *colorless*, warna interferensi abu-abu kehijauan, bentuk subhedral – anhedral, relief rendah, intensitas sedang, pleokroisme tidak ada, jenis pemadaman paralel, sudut gelapan 70°, dan ukuran mineral 0.1-0.4 mm.
• **Orthopiroksin (Opx)**	20	Warna absorbsi *colorless*, warna interferensi putih keabu-abuan, bentuk euhedral – subhedral, relief kuat, intensitas sedang, belahan satu arah, ukuran mineral 0.5 – 1.5 mm, jenis gelapan paralel, sudut gelapan 60°, nama mineral enstatit.
• **Klinopiroksin (Cpx)**	10	Warna absorbsi *colorless*, warna interferensi kuning keemasan, bentuk euhedral – subhedral, pleokroisme monokroik, relief sedang, belahan satu arah, ukuran mineral 0.1 – 0.5 mm, jenis gelapan miring, sudut gelapan 35°, nama mineral augit.
• **Cr- Spinel**	10	Warna absorbsi coklat kehitaman, warna interferensi coklat, relief tinggi, bentuk subhedral – anhedral, belahan tidak ada, pleokroisme tidak ada, kembaran tidak ada, ukuran mineral 0.07 – 0.3 mm.

Foto :



X – Nikol *//– Nikol*

Lensa Okuler : 10x *Lensa Obyektif : 4x* *Perbesaran Total : 40x*

121°54'30"E

121°55'0"E

5°8'0"S

5°8'30"S

5°9'0"S

590

690

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FAKULTAS TEKNIK
DEPARTEMEN TEKNIK GEOLOGI
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PETA STASIUN

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 100 200 400 M

SKALA 1 : 10000
INTERVAL KONTUR 25 M

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

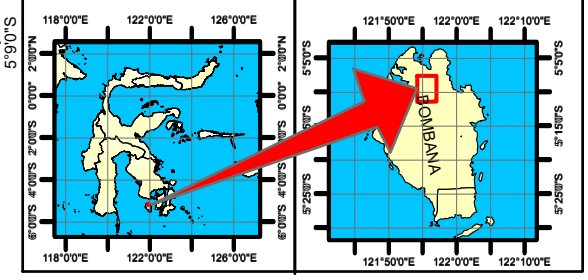
KETERANGAN :

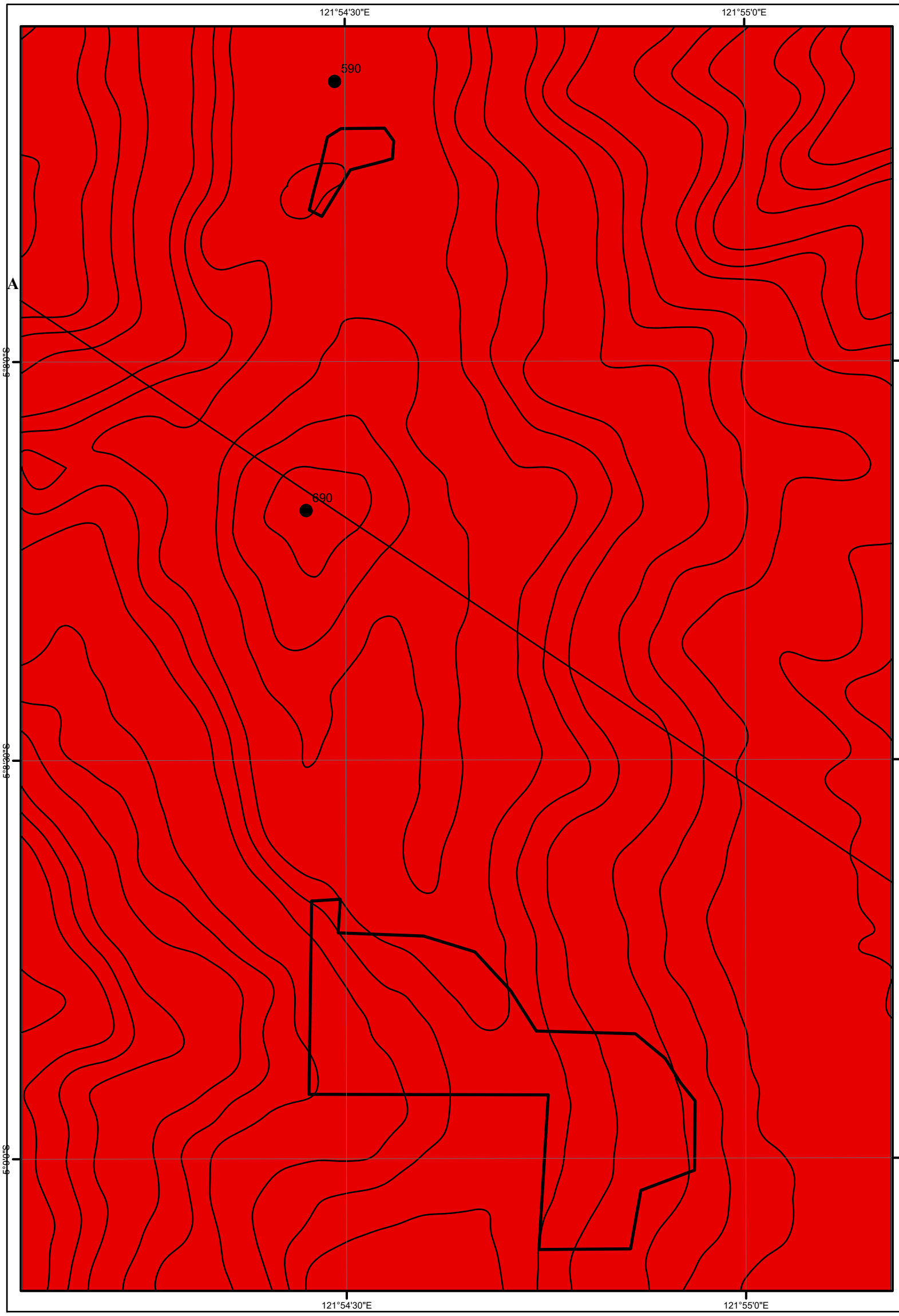
- PERIDOTIT
- BATAS BLOK X
- BATAS BLOK Y
- PENGAMBILAN DATA PERMUKAAN
- 590 TITIK KETINGGIAN
- KONTUR

SUMBER PETA

1. PETA RUPA BUMI INDONESIA (RBI) SKALA 1 : 5000
2. DATA SURVEY

PETA TUNJUK LOKASI DAERAH PENELITIAN





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PROGRAM STUDI TEKNIK GEOLOGI

PETA GEOLOGI

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 100 200 400 M

SKALA 1 : 10000
INTERVAL KONTUR 25 M

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

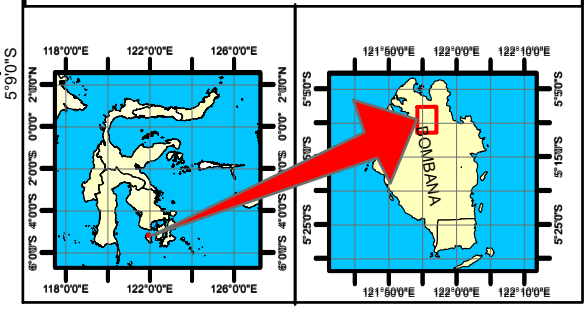
KETERANGAN :

		UMUR
	SATUAN PERIDOTIT	KAPUR
	BATAS BLOK "X"	
	BATAS BLOK "X"	
	KONTUR	
590	TITIK KETINGGIAN	

SUMBER PETA

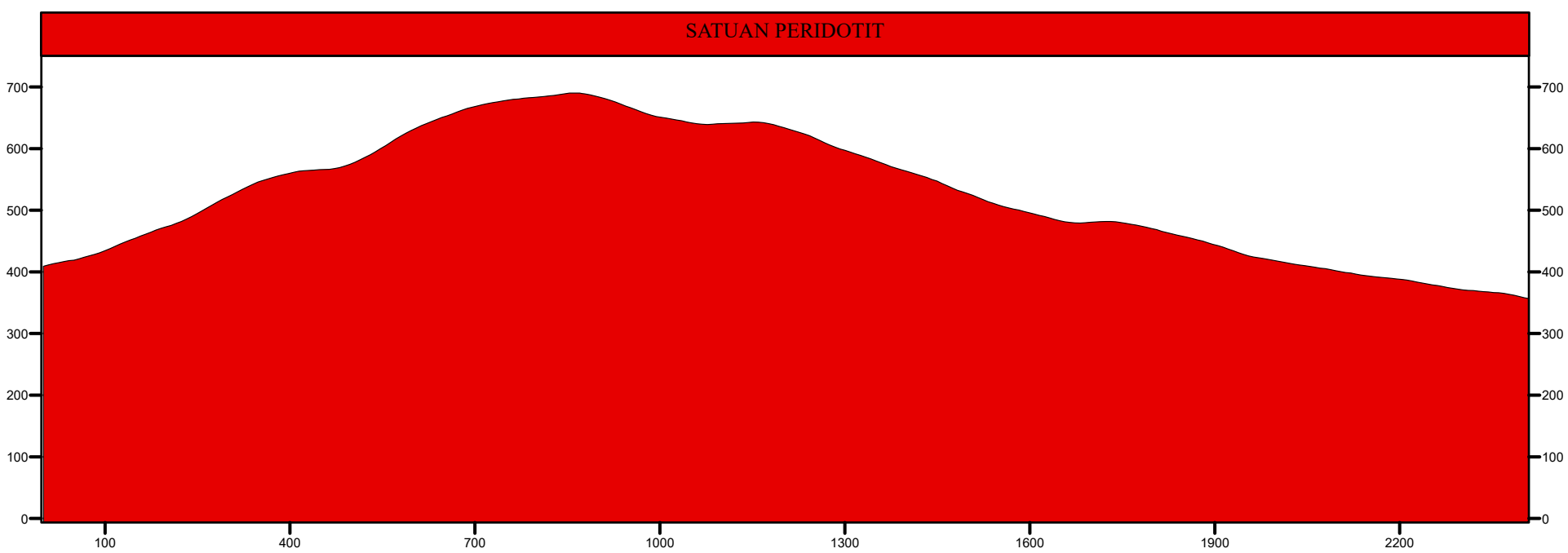
1. PETA RUPA BUMI INDONESIA (RBI) SKALA 1 : 5000
2. DATA SURVEY

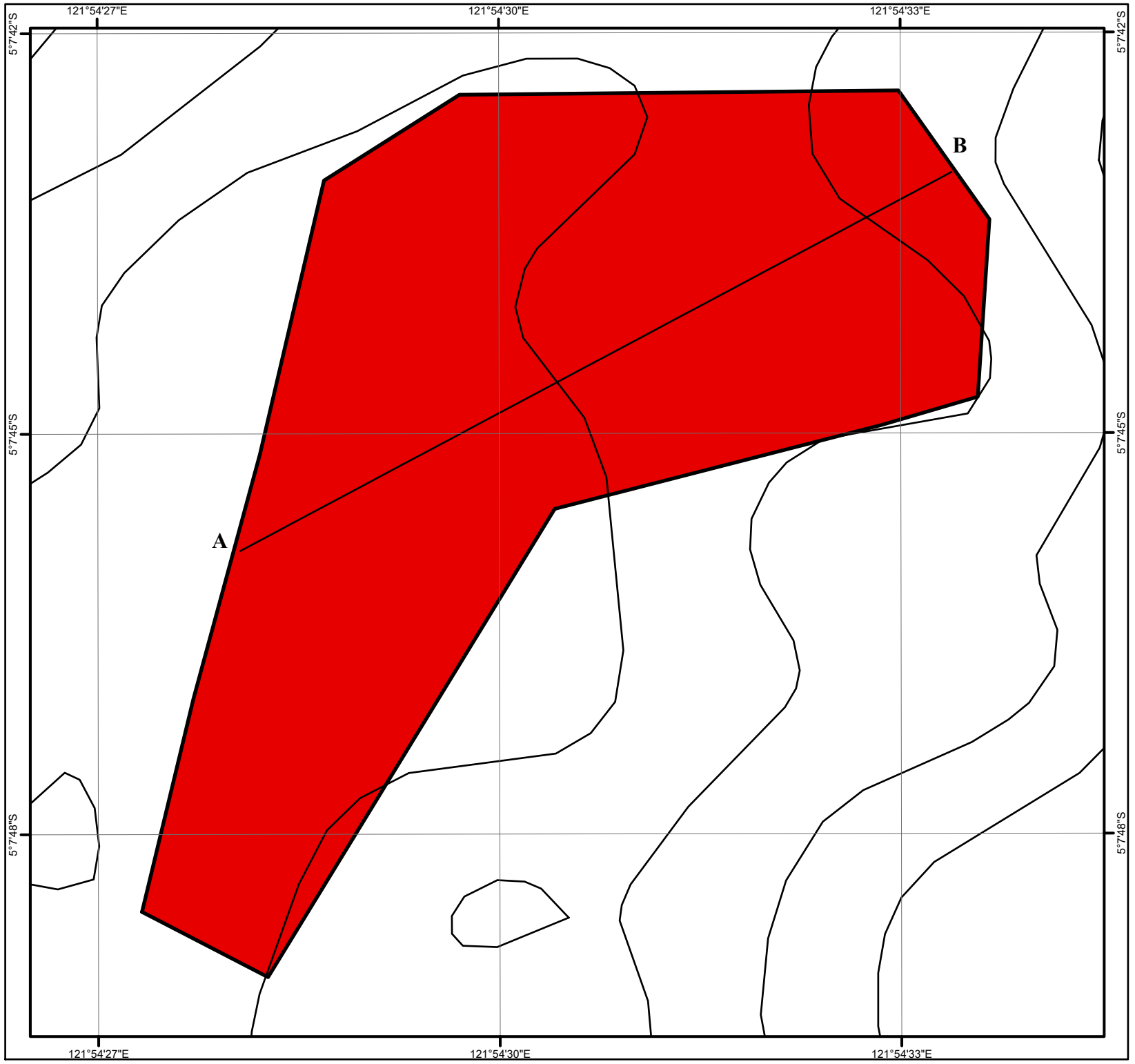
PETA TUNJUK LOKASI DAERAH PENELITIAN



PENAMPANG GEOLOGI SAYATAN A - B

H : V = 1 : 1





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PETA GEOLOGI BLOK X

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 10 20 40 M

SKALA 1 : 1500
INTERVAL KONTUR 5 M

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

UMUR

SATUAN PERIDOTIT — KAPUR

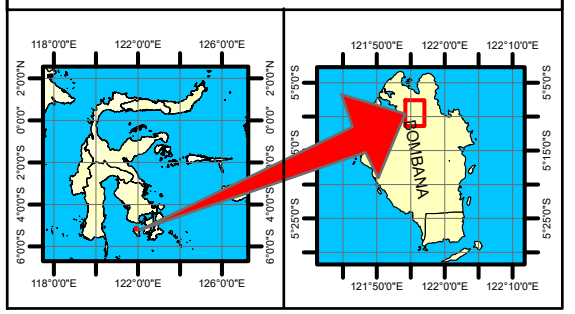
BATAS BLOK "X"

KONTUR

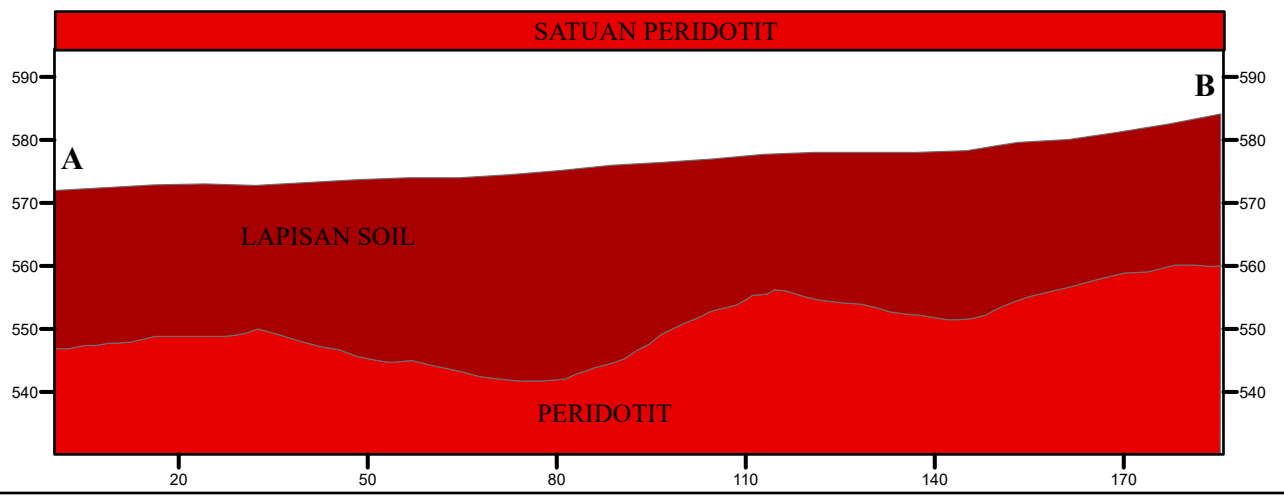
SUMBER PETA

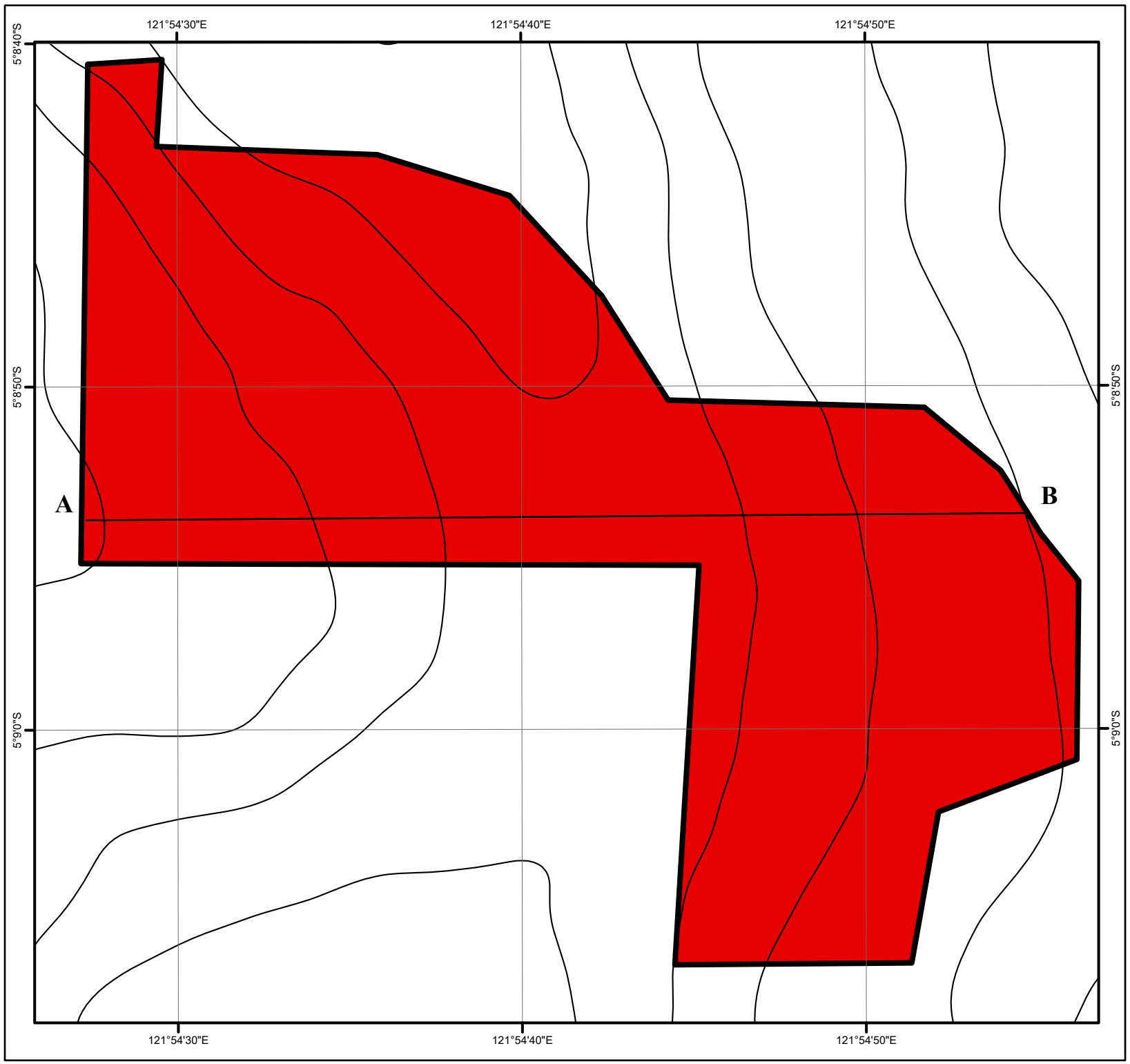
1. PETA RUPA BUMI INDONESIA (RBI) SKALA 1 : 5000
2. DATA SURVEY

PETA TUNJUK LOKASI DAERAH PENELITIAN



PENAMPANG GEOLOGI SAYATAN A - B
H : V = 1 : 1





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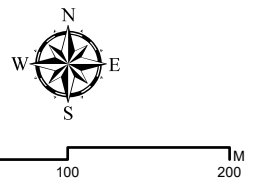
PETA GEOLOGI BLOK Y

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA



SKALA 1 : 5000
IK 25

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

UMUR

SATUAN PERIDOTIT — KAPUR

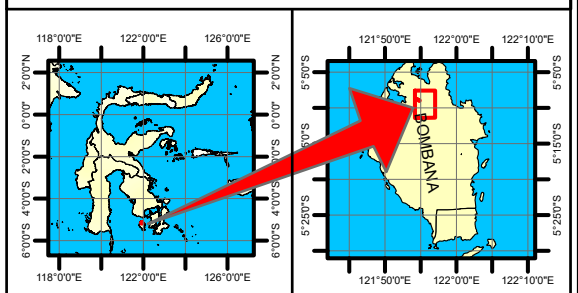
BATAS BLOK "Y"

KONTUR

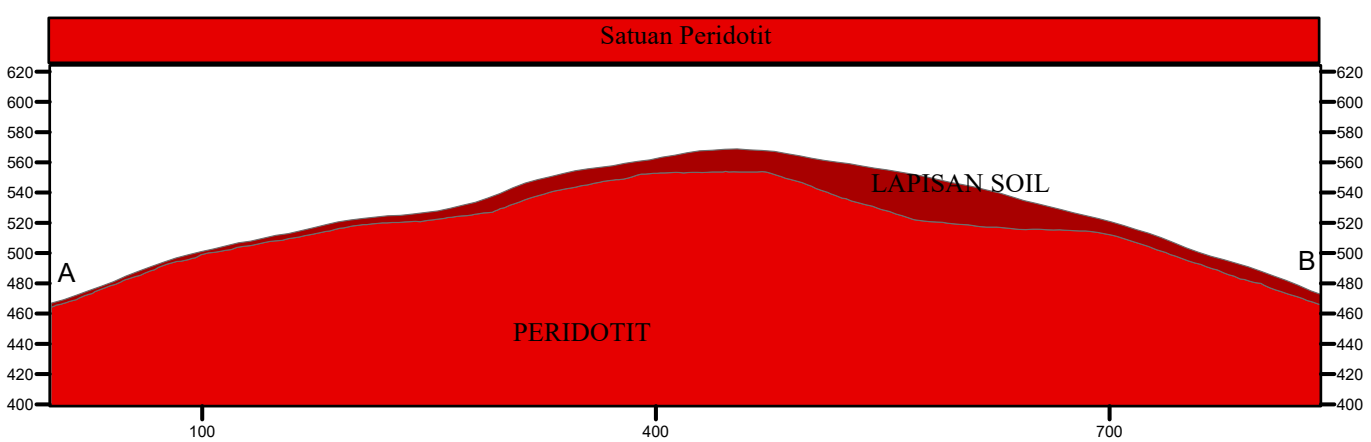
SUMBER PETA

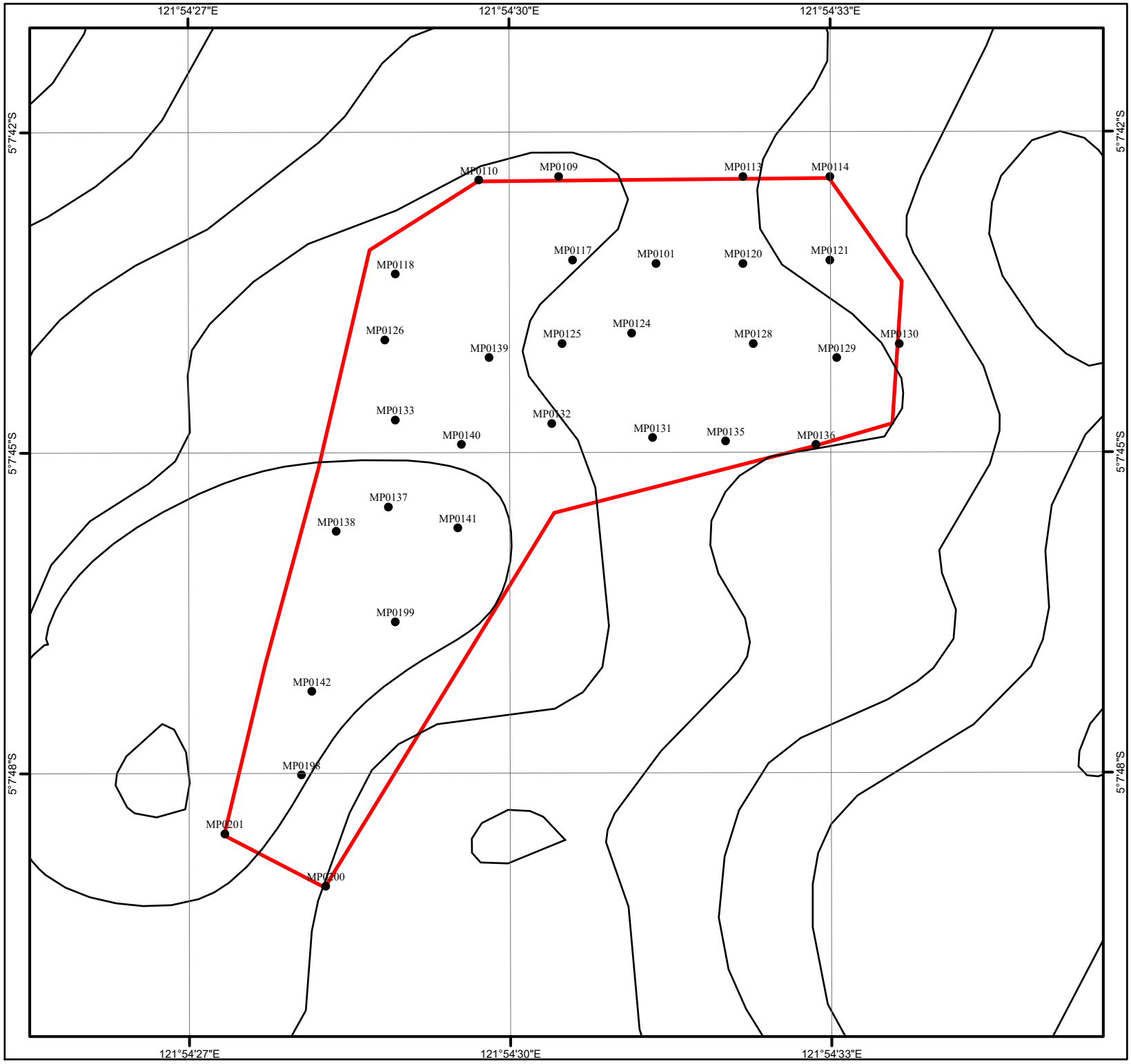
1. Peta Rupa Bumi Indonesia (RBI) Skala 1 : 5000
2. Data Survey

PETA TUNJUK LOKASI DAERAH PENELITIAN



PENAMPANG GEOLOGI SAYATAN A - B
H : V = 1 : 1





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PETA SEBARAN TITIK BOR

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 15 30 M 60

SKALA 1 : 1500
INTERVAL KONTUR 5 M

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

BATAS BLOK "X"

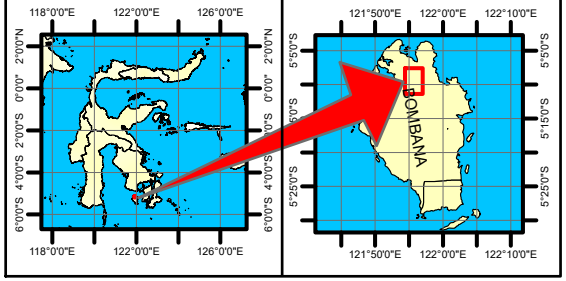
MP0132 TITIK BOR

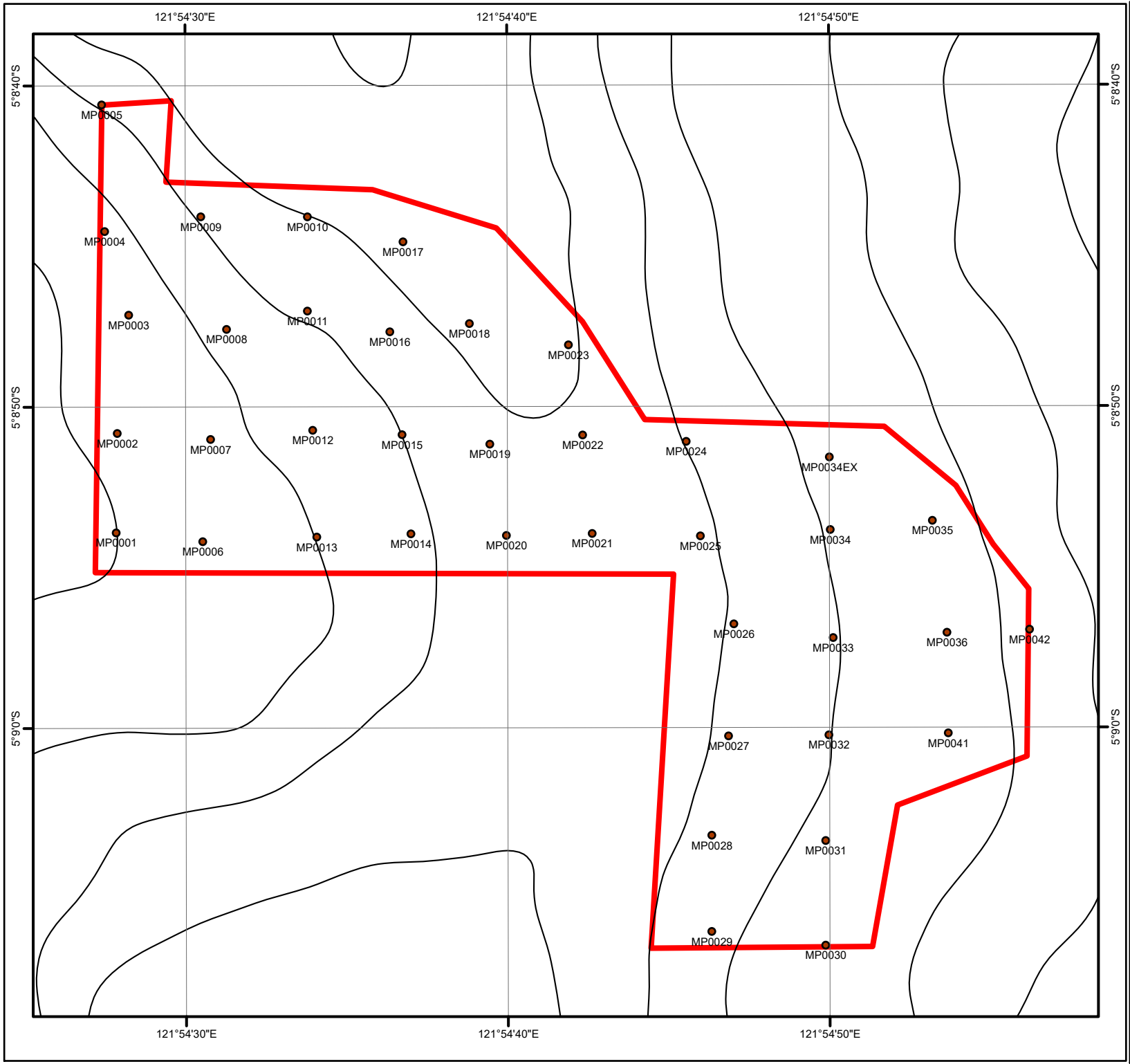
KONTUR

SUMBER PETA

1. PETA RUPA BUMI INDONESIA (RBI) SKALA 1 : 5000
2. DATA SURVEY

PETA TUNJUK LOKASI DAERAH PENELITIAN





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PETA SEBARAN TITIK BOR BLOK Y

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 50 100 200 M

SKALA 1 : 5000
IK 25

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

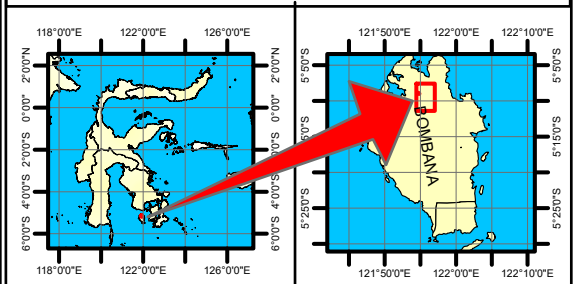
KETERANGAN :

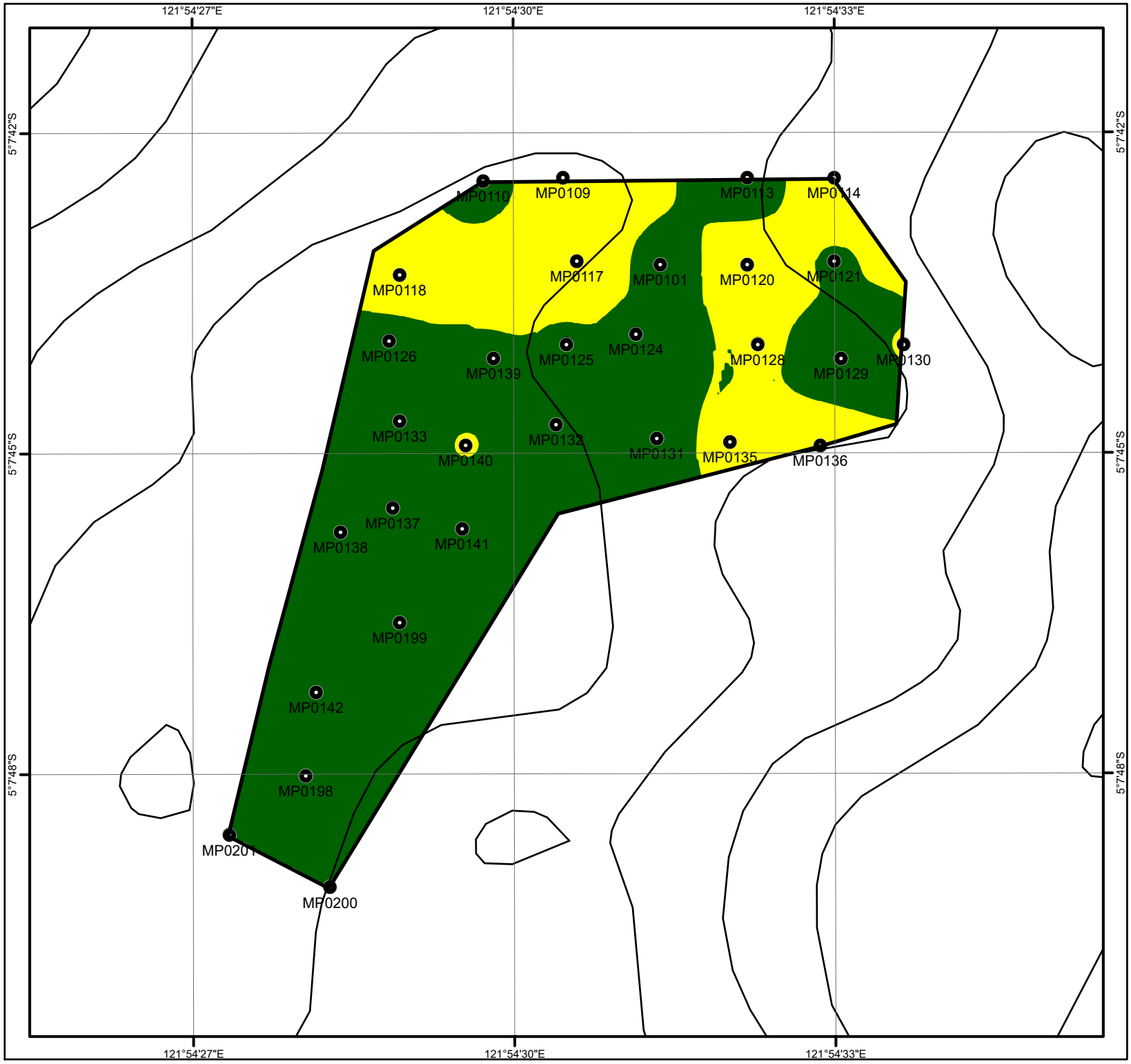
- BATAS BLOK "Y"
- MP0015 — TITIK BOR
- KONTUR

SUMBER PETA

1. Peta Rupa Bumi Indonesia (RBI) Skala 1 : 5000
2. Data Survey

PETA TUNJUK LOKASI DAERAH PENELITIAN





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PETA DISTRIBUSI KADAR NI BLOK X ZONA LIMONIT

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 15 30 M 60

SKALA 1 : 1500
INTERVAL KONTUR 5 M

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

BATAS BLOK "X"

MP0132
TITIK BOR

KONTUR

Kandungan Ni % :

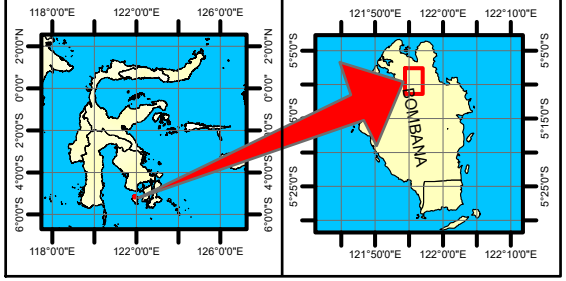
< 1.0

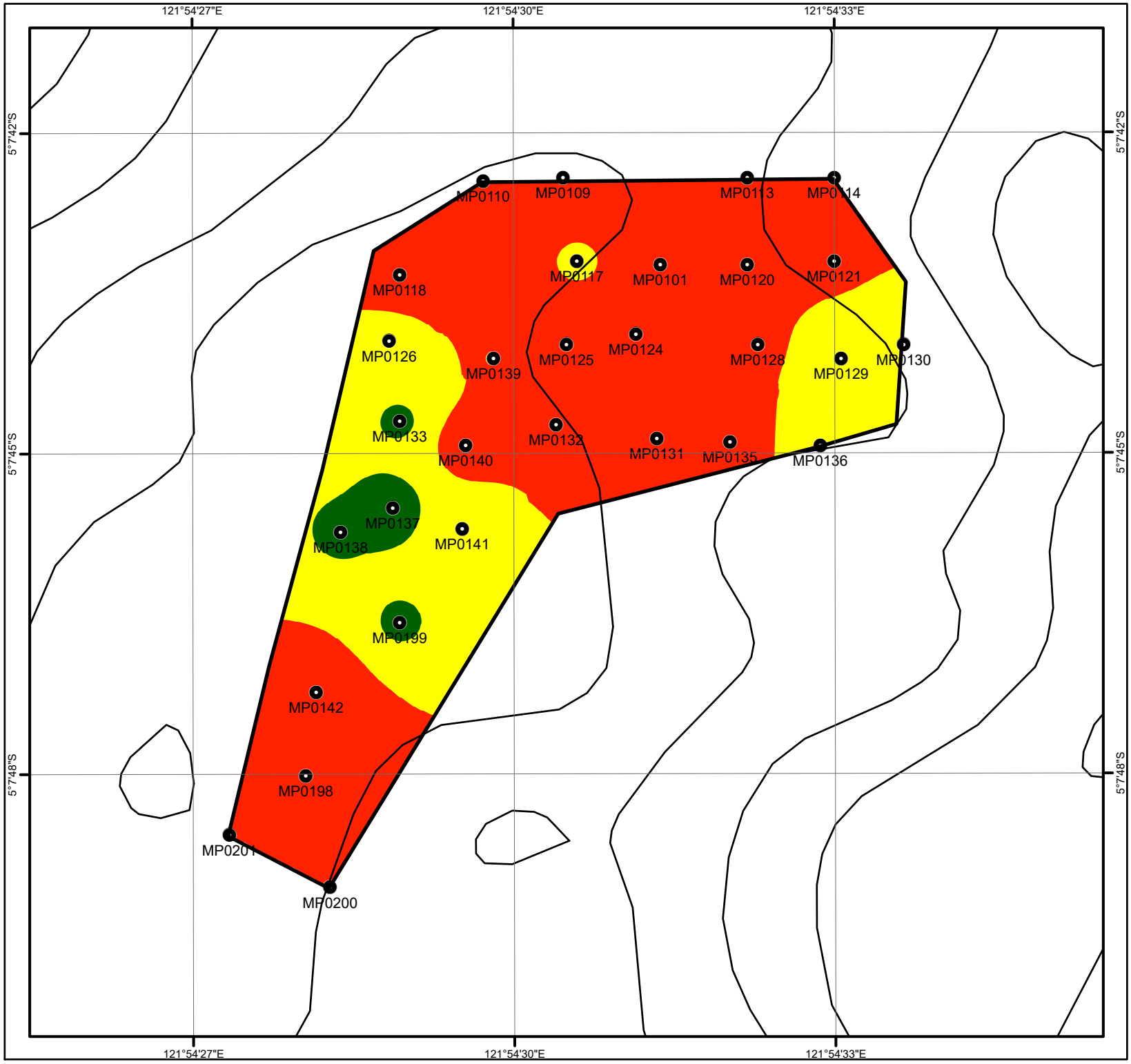
1.0 - 1.4

SUMBER PETA

1. PETA RUPA BUMI INDONESIA (RBI) SKALA 1 : 5000
2. DATA SURVEY

PETA TUNJUK LOKASI DAERAH PENELITIAN





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DEPARTEMEN TEKNIK GEOLOGI
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PETA DISTRIBUSI KADAR NI BLOK X ZONA SAPROLIT

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 15 30 M 60

SKALA 1 : 1500
INTERVAL KONTUR 5 M

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

BATAS BLOK "X"

MP0132 TITIK BOR

KONTUR

Kandungan Ni % :

< 1.0

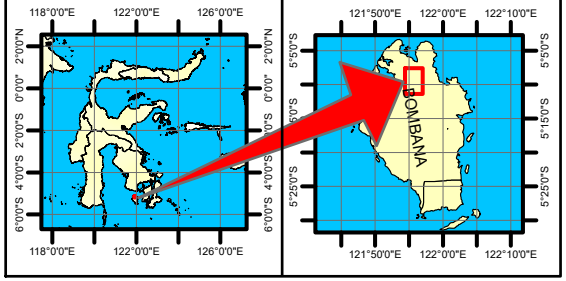
1.0 - 1.4

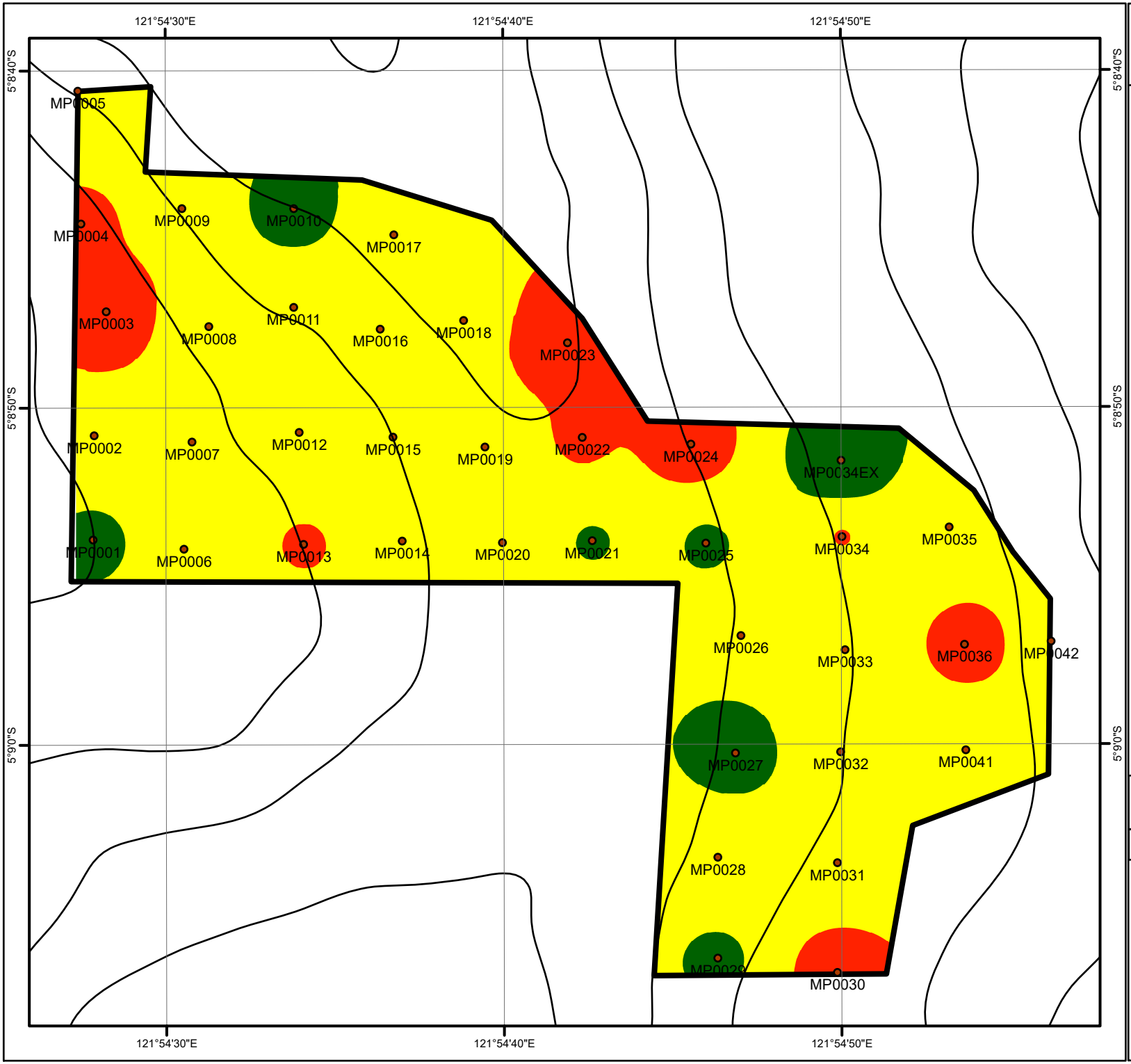
> 1.4

SUMBER PETA

1. PETA RUPA BUMI INDONESIA (RBI) SKALA 1 : 5000
2. DATA SURVEY

PETA TUNJUK LOKASI DAERAH PENELITIAN





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UNIVERSITAS HASANUDDIN
FAKULTAS TEKNIK
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PROGRAM STUDI TEKNIK GEOLOGI

PETA DISTRIBUSI KADAR Ni BLOK X ZONA LIMONIT

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 50 100 200 M

SKALA 1 : 5000
IK 5

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

- BATAS BLOK "Y"
- MP0025 — TITIK BOR
- KONTUR

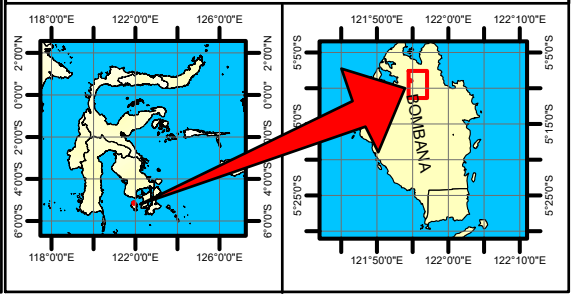
Kandungan Ni (%) :

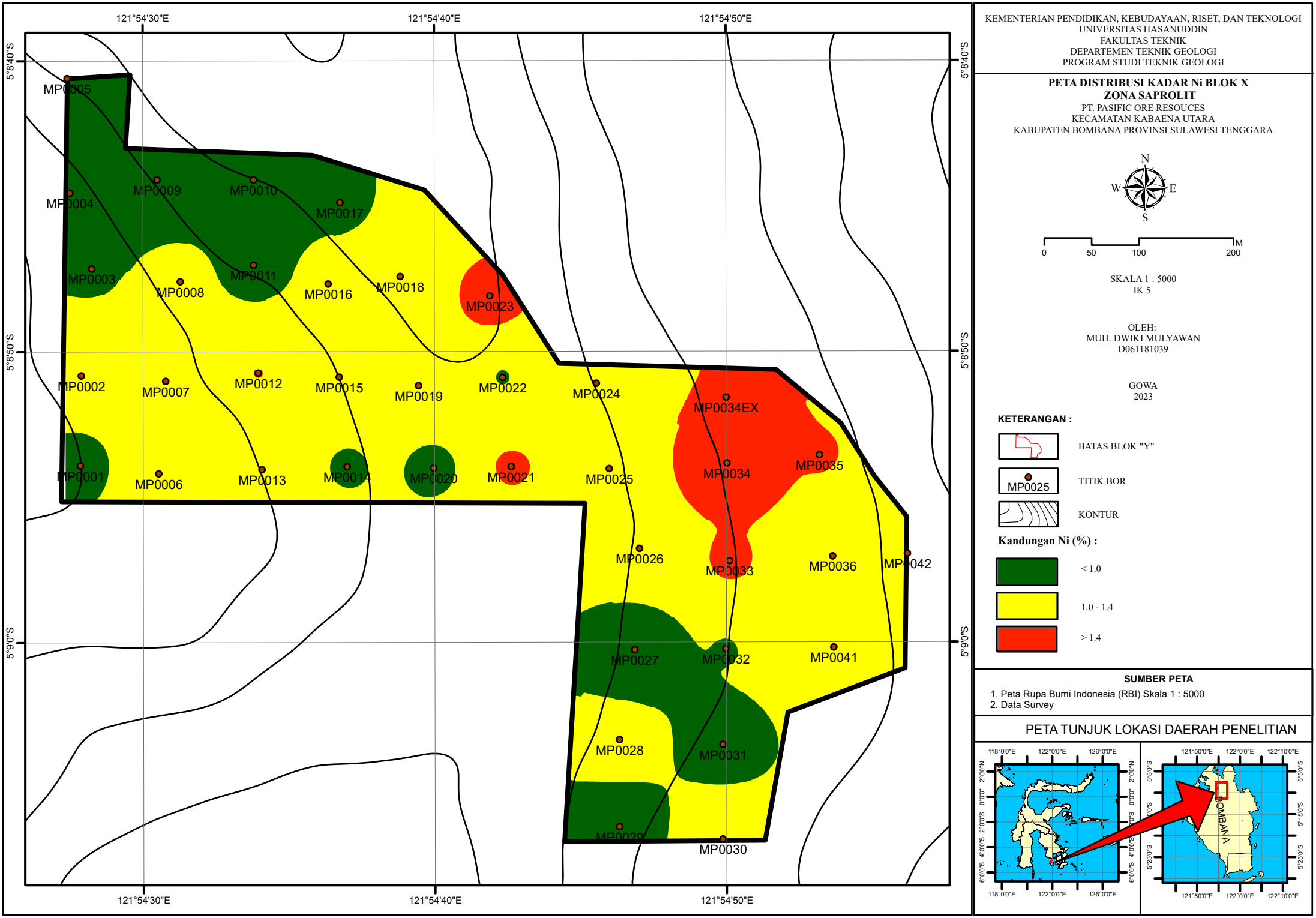
- < 1.0
- 1.0 - 1.4
- > 1.4

SUMBER PETA

1. Peta Rupa Bumi Indonesia (RBI) Skala 1 : 5000
2. Data Survey

PETA TUNJUK LOKASI DAERAH PENELITIAN





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PETA DISTRIBUSI KADAR Ni BLOK X ZONA SAPROLIT

PT. PASIFIC ORE RESOUCES
KECAMATAN KABAENA UTARA
KABUPATEN BOMBANA PROVINSI SULAWESI TENGGARA

N
W E
S

0 50 100 200 M

SKALA 1 : 5000
IK 5

OLEH:
MUH. DWIKI MULYAWAN
D061181039

GOWA
2023

KETERANGAN :

- BATAS BLOK "Y"
- MP0025 — TITIK BOR
- KONTUR

Kandungan Ni (%) :

- < 1.0
- 1.0 - 1.4
- > 1.4

SUMBER PETA

1. Peta Rupa Bumi Indonesia (RBI) Skala 1 : 5000
2. Data Survey

PETA TUNJUK LOKASI DAERAH PENELITIAN