

Lampiran 3. Data Gempa Bali

Tabel L 3.1 Gempa Bali 2011

Tanggal	Waktu	Latitude	Longitude	Depth	Magnitude	Keterangan
8/2/2011	22:26:00	-10.37	113.79	10	5.7	235 km barat daya Nusa Dua,Bali
11/4/2011	0:08:00	-7.12	116.85	523	6.6	165 km barat laut Sumbawa Besar,NTB
22/9/2011	3:43:08	-9.21	114.06	75	4.7	96 km barat daya Banyuwangi, selatan Bali
30/9/2011	0:25:35	-10.40	114.01	66	4.8	242 km barat daya Nusa dua, Bali
13/10/2011	10:16:00	-9.89	114.53	10	6.8	143 km barat daya Nusa Dua, Bali
4/11/2011	21:59:00	-9.18	115.69	70	5.2	67 km tenggara Nusa Dua, Bali
18/11/2011	19:23:00	-10.75	113.69	10	5.3	275 km barat daya Nusa Dua, Bali
9/12/2011	10:03:25	-7.20	117.03	621	4.4	laut Bali, 185 km timur laut Mataram

Tabel L 3.2 Waktu Tiba Gelombang P dan S

no	Stasiun	Tgl	Tp			Ts			Ts-p	t0			tp-t0
1	BBKI	131011	3	18	41.8	3	21	00.1	138.3	3	15	32.35	189.5
2	KLNI	131011	3	16	59.3	3	17	19.5	20.2	3	16	31.63	27.7
3	YGI	131011	3	17	37.6	3	18	35.1	57.5	3	16	18.83	78.8
4	TRT	131011	3	17	14.9	3	17	46.1	31.2	3	16	32.16	42.7
5	LBMI	131011	3	18	18.3	3	19	39.6	81.3	3	16	26.93	111.4
6	BJI	131011	3	17	49.9	3	18	58.2	68.3	3	16	16.34	93.6
7	MASI	131011	3	18	08.4	3	19	19.6	71.2	3	16	30.87	97.5
8	KDI	131011	3	18	51.8	3	20	45.7	113.9	3	16	15.77	156.0
9	JAY	131011	3	22	04.6	3	26	29.4	264.8	3	16	1.86	362.7
10	SWI	131011	3	20	44.8	3	24	09.9	205.1	3	16	3.841	281.0
11	TLE	131011	3	20	37.9	3	24	05.3	207.4	3	15	53.79	284.1

Tabel L 3.3 Perhitungan Manual V_p/V_s

no	Stasiun	$(t_p-t_0)=X_i$	$(t_s-t_p)=Y_i$	$X_i.Y_i$	$X_i.X_i$	$Y_i.Y_i$
1	BBKI	189	138	26082	35721	19044
2	KLNI	27	20	540	729	400
3	YGI	78	57	4446	6084	3249
4	TRT	42	31	1302	1764	961
5	LBMI	111	81	8991	12321	6561
6	BJI	93	68	6324	8649	4624
7	MASI	97	71	6887	9409	5041
8	KDI	156	113	17628	24336	12769
9	JAY	362	264	95568	131044	69696
10	SWI	281	205	57605	78961	42025
11	TLE	284	207	58788	80656	42849
Σ	11	1720	1255	284161	389674	207219

Tabel L 3.4 Nilai Frekuensi

no	Stasiun Pengamat	Tanggal	Frekuensi Dominan
1	BBKI	131011	0.156 hz
2	KLNI	131011	0.468 hz
3	YGI	131011	0.156 hz
4	TRT	131011	-
5	LBMI	131011	0.312 hz
6	BJI	131011	0.156 hz
7	MASI	131011	0.312 hz
8	KDI	131011	0.156 hz
9	JAY	131011	0.156 hz
10	SWI	131011	0.625 hz
11	TLE	131011	0.312 hz

Tabel L 3.5 Data Gempa daerah Bali Tahun 1961-2011:

Date	Latitude	Longitude	Depth	Magnitude
2011/11/06 04:13:46.4100	-9.28	114.13	57.9	4.4
2011/10/13 07:52:45.3700	-9.43	114.53	35.0	5.0
2011/10/13 03:16:30.1600	-9.35	114.59	39.0	6.1
2011/05/12 14:33:10.8300	-9.88	114.07	35.0	4.2
2011/04/15 11:59:11.8700	-9.71	114.01	39.3	4.8
2011/04/15 08:38:16.1300	-9.63	114.13	59.7	4.4
2011/03/23 00:07:32.8100	-9.39	114.02	52.6	4.7
2008/06/05 15:31:59.8700	-9.88	114.15	58.4	4.6
2008/05/11 17:08:44.2500	-8.23	114.39	32.7	3.5
2008/01/07 15:32:45.2600	-7.98	114.17	30.0	3.5
2007/12/31 09:36:05.6600	-9.11	114.08	32.7	4.7
2007/11/28 12:40:43.9700	-8.35	114.95	16.0	3.7
2007/10/30 10:03:18.5000	-8.22	114.86	49.7	3.9

2007/09/09 23:31:54.1300	-8.15	114.16	3.5	4.3
2007/09/09 18:36:33.5600	-7.88	114.25	2.9	4.7
2007/08/25 12:50:52.0200	-8.90	114.87	37.9	3.4
2007/06/15 19:57:27.7600	-7.34	114.41	0.0	3.4
2007/06/03 00:15:54.5300	-9.75	114.12	0.0	3.5
2007/04/11 22:58:55.7200	-9.74	114.93	0.0	3.1
2007/03/26 13:47:29.1200	-8.38	114.89	0.0	3.3
2007/03/06 16:49:12.3500	-8.80	114.48	0.0	3.0
2007/02/26 19:22:56.9600	-9.23	114.38	0.0	3.1
2007/01/29 13:14:40.8500	-9.82	114.70	0.0	3.7
2007/01/10 18:32:26.6800	-9.75	114.10	35.0	3.9
2006/12/16 00:10:55.6600	-8.48	114.30	35.0	4.7
2006/12/15 23:47:11.0000	-9.57	114.81	0.0	3.2
2006/11/09 07:07:31.2500	-8.75	114.92	55.4	4.6
2006/06/25 16:36:52.6300	-9.52	114.88	35.0	4.0
2006/02/24 08:11:08.1300	-9.02	114.20	0.0	3.3

2005/12/22 07:14:49.7400	-9.44	114.21	45.7	4.6
2005/12/10 02:46:10.8000	-9.54	114.34	33.0	4.3
2005/07/21 17:39:14.4200	-8.23	114.89	0.0	3.5
2005/03/25 06:28:22.5300	-7.89	114.74	0.0	3.3
2005/03/07 08:51:52.7400	-9.42	114.09	54.6	3.7
2005/02/15 14:00:02.7300	-8.50	114.92	36.4	4.1
2005/01/04 03:08:00.9200	-7.90	114.05	23.9	5.1
2004/09/12 12:48:31.1400	-8.67	114.23	33.0	4.0
2004/07/08 12:31:26.9700	-9.86	114.26	43.8	3.8
2004/03/10 14:45:37.1900	-9.84	114.12	33.0	3.0
2004/03/10 14:33:21.5500	-9.93	114.19	44.9	4.0
2003/12/17 17:03:52.7300	-8.17	114.07	10.0	4.1
2003/11/11 18:30:19.5100	-9.44	114.27	33.0	3.9
2003/11/03 17:48:15.7500	-9.49	114.13	0.0	4.2
2003/07/25 03:57:24.1200	-9.56	114.13	33.0	3.4
2003/07/24 18:18:17.3400	-8.30	114.58	0.0	3.8

2003/06/18 02:38:07.3500	-8.31	114.83	33.0	3.6
2003/02/24 10:39:42.6600	-7.31	114.54	38.8	5.0
2003/01/02 12:54:19.5500	-8.46	114.30	0.0	3.1
2002/09/22 23:27:42.8400	-7.80	114.43	33.0	3.6
2002/05/28 21:53:04.7700	-9.17	114.38	33.0	4.3
2002/04/08 12:53:47.3500	-9.80	114.16	53.8	3.4
2001/12/13 19:08:17.1500	-9.82	114.15	37.6	3.3
2001/09/28 00:03:50.7500	-9.36	114.79	57.9	3.4
2001/08/23 08:29:15.6900	-7.51	114.09	33.0	4.0
2001/07/29 18:51:19.4900	-9.96	114.15	33.0	3.2
2001/07/16 09:47:38.0600	-9.90	114.03	40.4	3.0
2001/06/23 17:24:09.6400	-9.64	114.03	33.0	4.2
2001/04/14 20:36:32.7900	-9.95	114.36	33.0	3.2
2000/12/12 06:34:03.7200	-9.96	114.10	33.0	4.1
2000/07/06 02:22:14.4300	-9.77	114.58	33.0	3.8
2000/01/30 06:37:35.0000	-9.55	114.65	33.0	4.4

1999/12/04 03:43:57.1500	-9.24	114.39	33.0	4.7
1999/02/14 14:49:55.0500	-9.38	114.18	33.0	3.7
1998/01/26 13:57:45.8000	-8.19	114.94	26.4	3.6
1997/01/13 14:01:38.3300	-8.08	114.85	33.0	4.0
1997/01/09 13:32:03.0900	-8.46	114.76	33.0	3.7
1996/12/10 04:26:42.9900	-9.58	114.03	33.0	3.8
1996/08/22 05:11:08.9000	-8.51	114.31	0.0	3.3
1996/07/05 12:00:46.8700	-8.94	114.50	48.4	4.8
1996/06/19 12:07:06.3400	-8.30	114.66	33.0	4.5
1996/06/18 09:15:43.0100	-8.03	114.68	33.0	4.1
1996/05/27 03:07:08.8600	-9.47	114.87	33.0	4.2
1996/04/26 12:55:05.5400	-9.37	114.00	24.4	4.5
1996/03/28 14:13:42.5200	-9.77	114.05	56.1	4.7
1996/01/17 14:05:39.6000	-9.48	114.08	58.4	3.9
1995/12/02 08:52:43.4600	-8.11	114.94	33.0	3.9
1995/10/31 13:11:13.0000	-8.29	114.77	47.7	3.8

1994/11/21 01:59:02.3000	-8.17	114.92	33.0	4.9
1994/09/26 19:07:58.7300	-9.00	114.18	33.0	4.8
1994/06/07 00:17:17.5500	-8.42	114.97	33.0	4.5
1994/06/04 11:00:18.6100	-9.56	114.51	33.0	4.4
1994/04/26 01:23:59.4800	-9.13	114.88	33.0	5.1
1994/01/03 22:13:32.2900	-9.20	114.23	33.0	4.8
1993/10/03 18:12:11.9200	-9.67	114.51	39.3	4.2
1992/12/24 06:21:08.6100	-9.94	114.12	54.6	4.0
1992/12/21 03:21:19.6200	-9.79	114.06	58.4	5.0
1992/12/05 00:41:47.7000	-9.43	114.57	33.0	4.3
1992/06/19 23:27:45.9300	-9.55	114.16	45.7	4.7
1992/03/30 13:42:18.7800	-8.33	114.79	28.9	5.1
1991/07/05 04:40:13.5500	-9.97	114.55	41.4	4.9
1991/07/05 04:30:50.9100	-9.60	114.64	37.4	5.6
1991/04/24 18:31:49.3600	-8.74	114.60	33.0	4.6
1990/07/23 02:58:30.8200	-9.40	114.60	39.6	4.9

1987/12/17 20:22:58.1100	-9.11	114.63	45.5	5.7
1987/03/29 04:19:18.4500	-8.29	114.94	33.0	3.9
1987/02/01 11:22:04.0500	-7.21	114.11	33.0	4.9
1986/04/08 22:11:34.0800	-9.90	114.19	33.0	4.4
1985/09/09 18:53:03.2200	-9.76	114.07	33.0	5.0
1984/10/15 05:27:24.3800	-9.91	114.19	51.0	4.9
1984/08/03 22:41:13.4100	-7.81	114.84	15.6	5.0
1984/07/31 04:37:19.5400	-9.95	114.76	23.9	4.6
1984/06/08 14:48:56.7600	-9.74	114.87	33.0	5.2
1981/04/18 19:27:42.3300	-9.55	114.26	33.0	4.0
1981/02/23 22:39:37.0100	-9.21	114.77	33.0	4.1
1976/07/14 10:23:46.8200	-8.17	114.84	40.8	5.9
1976/07/14 07:13:23.7100	-8.21	114.87	36.5	6.1
1971/03/20 09:44:55.1300	-7.49	114.63	34.1	5.3
1968/07/30 00:05:06.3000	-9.26	114.05	56.0	4.8
1964/03/20 18:54:56.9000	-7.02	115.00	0.0	4.4

2011/03/31 23:02:37.7800	-7.76	115.34	10.0	4.2
2011/03/20 16:29:23.4300	-8.40	115.02	24.4	4.3
2008/11/14 11:37:14.8900	-8.03	115.27	35.0	3.8
2008/10/04 15:51:42.1700	-8.15	115.16	11.6	3.4
2008/04/04 06:13:12.9400	-8.09	115.29	8.1	3.5
2008/03/03 04:57:33.6100	-9.26	115.52	0.0	3.4
2007/07/25 02:52:29.6800	-9.06	115.47	0.0	3.0
2007/01/05 18:21:34.6200	-9.33	115.11	7.8	4.4
2006/12/31 17:14:09.2700	-8.50	115.96	0.0	3.0
2006/12/26 11:29:50.8000	-7.80	115.94	0.0	3.2
2006/02/18 10:20:24.8400	-8.53	115.75	10.0	3.4
2005/11/25 00:10:55.1200	-8.67	115.59	33.0	4.0
2005/11/24 03:02:13.0300	-8.86	115.45	0.0	3.4
2005/03/05 21:22:46.2800	-9.95	115.33	56.2	4.5
2005/03/01 01:46:12.2000	-8.47	115.76	39.2	4.2

2004/07/01 12:59:08.1700	-8.38	115.42	25.8	3.7
2004/06/12 07:41:15.1200	-9.60	115.05	36.4	3.2
2004/03/04 13:40:16.5600	-8.26	115.73	21.6	4.6
2004/01/01 20:59:29.4900	-8.30	115.77	33.0	5.5
2003/11/22 13:45:05.7400	-7.56	115.30	0.0	3.7
2003/09/28 09:21:26.2900	-8.22	116.00	33.0	4.3
2003/08/31 13:33:56.3600	-7.41	115.09	0.0	3.4
2003/08/13 11:43:31.4500	-8.38	115.57	0.0	3.7
2002/09/21 13:18:54.6200	-9.87	115.05	33.0	3.3
2002/09/04 09:06:07.0400	-8.11	115.60	0.0	3.8
2002/03/30 07:20:46.6800	-8.24	115.18	20.4	3.6
2001/10/21 14:48:37.1900	-8.45	115.69	29.1	4.1
2001/07/27 19:13:29.5200	-8.04	115.77	15.0	3.7
2001/06/01 04:39:56.1500	-8.38	115.93	47.1	3.7
2001/02/17 04:01:31.4000	-8.11	115.76	0.0	3.8
2000/06/13 01:51:50.9100	-9.93	115.93	33.0	4.0

2000/02/01 01:40:23.9100	-9.96	115.88	39.9	4.1
1998/11/27 19:21:01.8900	-8.22	115.24	21.9	4.0
1998/06/29 06:12:14.0800	-8.36	115.87	47.7	3.8
1998/03/31 05:19:17.5500	-8.87	115.15	27.9	3.6
1998/03/18 04:35:46.3900	-9.52	115.18	15.0	4.3
1998/01/04 05:30:34.9300	-8.39	115.84	21.7	3.4
1997/12/29 15:44:34.6200	-7.31	115.29	15.0	3.8
1997/12/13 01:21:33.3300	-8.99	115.30	33.0	3.6
1997/01/06 14:35:41.4000	-9.91	115.79	0.0	3.5
1996/05/27 16:26:55.4900	-8.59	115.97	33.0	3.8
1996/04/29 04:48:06.7000	-7.58	115.82	0.0	3.1
1996/01/16 17:54:19.5000	-8.37	115.47	0.0	3.2
1996/01/12 07:44:20.5000	-7.63	115.17	0.0	3.3
1995/12/29 07:14:58.1400	-9.04	115.66	33.0	4.2
1995/12/27 01:01:54.4200	-9.89	115.05	38.0	4.2
1995/09/15 02:47:44.5200	-9.62	115.20	38.0	4.0

1995/08/01 06:23:20.7800	-8.78	115.78	56.1	4.3
1995/03/19 19:41:22.9500	-8.94	115.42	0.0	3.6
1994/06/11 16:55:46.8000	-8.07	115.23	33.0	4.1
1992/06/02 23:55:45.5500	-8.31	115.95	45.7	4.1
1991/03/11 01:44:57.9100	-9.36	115.65	33.0	5.2
1989/09/30 14:42:15.3400	-8.46	115.93	33.0	4.8
1989/04/22 06:19:37.2500	-8.92	115.58	33.0	4.6
1988/11/26 06:35:05.1300	-8.40	115.92	33.0	4.6
1988/11/23 05:22:27.8200	-8.25	115.98	47.7	5.0
1986/12/29 03:52:13.2600	-9.44	115.03	33.0	4.3
1986/12/22 20:11:36.2100	-8.60	115.27	33.0	4.1
1986/11/20 09:26:10.6000	-8.48	115.28	33.0	3.9
1986/10/18 13:39:05.8700	-8.00	115.20	33.0	3.8
1986/01/31 07:45:53.8200	-7.17	115.86	10.0	4.9
1986/01/25 12:16:50.0400	-8.50	115.70	33.0	3.7
1985/04/19 10:02:55.1100	-8.86	115.76	33.0	3.5

1985/02/16 08:43:56.9700	-8.53	115.77	33.0	4.6
1985/01/02 09:28:10.1800	-8.17	115.87	33.0	4.6
1984/02/02 11:30:34.6800	-9.96	115.02	47.9	5.4
1984/01/26 16:27:26.3900	-7.90	115.16	0.0	4.6
1983/05/08 12:33:45.0600	-8.54	115.92	33.0	4.7
1982/10/28 03:28:22.9300	-8.39	115.79	33.0	4.3
1981/10/23 15:21:45.0700	-8.71	115.23	33.0	3.9
1981/09/02 20:31:01.6900	-8.36	115.85	33.0	4.3
1981/05/10 07:52:45.2800	-8.42	115.90	33.0	4.1
1980/08/10 22:50:14.0800	-9.69	115.23	41.8	4.3
1980/03/11 09:42:04.4100	-9.43	115.60	33.0	4.5
1979/12/17 19:58:22.7600	-8.49	115.82	21.8	5.6
1979/11/03 11:36:57.3300	-8.43	115.99	33.0	3.1
1979/10/20 01:41:10.3400	-8.40	115.83	36.8	5.9
1979/06/21 09:45:16.5500	-8.58	115.86	47.6	5.1
1979/05/30 09:38:55.3200	-8.32	115.92	40.3	6.0

1979/05/21 16:31:01.8200	-8.37	115.95	43.7	5.6
1977/01/26 13:11:29.5600	-8.31	115.10	33.0	5.0
1972/07/07 19:09:59.3700	-8.30	115.57	27.1	5.2
1970/01/22 09:14:00.1000	-7.88	115.62	35.0	4.8



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