DAFTAR PUSTAKA

Aktas, B Can., 2007, *Determining The Thickness Of Concrete Pavements using The Impact Echo Test Method*, Universitas Teknik *Middle East*.

Atkins, H.N., 1997, *Highway Materials, Soils, and Concretes*, United States of America : Prentice-Hall.

Bina Marga, 2012, *Pedoman Perancangan Tebal Perkerasan Lentur*, Bandung : Kementerian Pekerjaan Umum.

Cahyani, D.E., Chang, Ta-Peng., Triwulan., Chen, Bo-Tsun., 2011, "Studi Numerik Pada Beton Yang Rusak Menggunakan Metode *Impact-Echo* (Pengetesan *Non-Destructive*)", Seminar Nasional Aplikasi teknologi Prasarana Wilayah.

Cho, Y.S. & Lin, F-B, 2001, Spectral analysis of surface wave response of multi-layer thin cement mortar slab structure with finite element thickness, NDT&E International, Vol.34, No. 2, pp.115-122

Dong-Soo, K., Min-Kyun, S., Hyung-Choon, P., 2001, 'Evaluation of density in layer compaction using SASW method', *Soil Dynamics and Earthquake Engineering*, Vol. 21, No. 1, pp. 39-46.

Graveen, C., 2001, Nondestructive Methods to Assess Pavement Quality For Use in a Performance-Related Specification, *M.Sc. Thesis, Purdue University, 284 p.*

Heisey, J.S., 1982, 'Determination of In Situ Shear Wave Velocity from Spectral Analysis of Surface Wave', *Master Thesis. University of Texas, Austin.*

Huang, Y.H., 1993, *Pavement Analysis and Design*, United States of America : Prentice Hall.

Hunaidi, O., 1998, 'Evolution-based genetic algorithms for analysis of non-destructive surface wave tests on pavements', *NDT & International*, Vol. 31, No. 4, pp. 273-280.

Istiawan, C.S.A., 2005, *Analisis Data Seismik Pada Perkerasan Jalan Dengan Menggunakan Metode SASW*, Yogyakarta : Tugas Akhir UMY.

Januardi, 2013, 'Pengaruh Kepadatan Mutlak Terhadap Kekuatan Campuran Aspal Pada Lapisan Permukaan HRS-WC', *Jurnal Teknik Sipil Untan*, Vol.13, No. 1, Hal. 139-148.

Khan, Z.A., Wahab, H.I.A.A., Asi, I., Ramadhan, R., 1998, 'Comparative study of asphalt concrete laboratory compaction methods to simulate field compaction', *Construction and Building Materials 12*, pp. 373-384.

Madshus, C. & Westerdahl, H, 1990, Surface wave measure-ments for construction control and maintenance planning of roads and airfields. Proc. 3rd. Intern. Conf. on Bearing Capacity of Roads and Airfields. Norwegia.

Matthews, M.C., Hope, V.S. & Clayton, R.I, 1996, The geo-technical value of ground stiffness determined using seis-mic methods. Proc. 30th Annual Conf. of the Eng. Group of the Geol. Soc., University of Lige, Belgia.

Nazarian, S. & Stokoe II, K.H., 1986, In situ determination of elastic moduli of pavement systems by Spectral-Analysis-of-Surface-Wave method (theoretical aspects), Research Report 437-2. *Center of Transportation Research. The University of Texas at Austin.*

Nazarian, S, 1984, In-situ determination of elastic moduli of soil deposits and pavement systems by Spectral-Analysis-of-Surface-Wave Method, *Ph.D. Dissertation,* University of Texas at Austin, 452 p.

Revisi SNI 03-1737-1989. Tata Cara Pelaksanaan Lapis aspal beton (Laston) untuk Jalan Raya. Pusjatan-Balitbang PU.

Rosyidi, S.A., 2005, 'Analisis Parameter Kecepatan Teoritik dan Nilai Beda Fase Gelombang Rayleigh lapisan Aspal Perkerasan Jalan Berdasarkan Teori Perambatan Gelombnag Pada Media Yang Homogen dan Isotropik', *Semesta Teknika*, Vol. 8, No. 1, Hal. 90-104.

RSNI M-01-2003. Metode Pengujian Campuran Beraspal Panas dengan Alat Marshall. Pusjatan-Balitbang PU.

Sack D.A., Olson L. D., 1995, 'Advanced NDT Method for evaluating concrete

Sansalone, Mary J., 1997, 'Impact Echo : The complete Story', *ACI Structural Journal*, no.94-S71 I, November-Desember.

Standart Test Method for Measuring the P-Wave Speed and the thickness of Concrete Plates Using the Impact Echo Method, 1999, AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM C-1383). West Conshohocken.

Stokoe, K.H. II, Wright, S.G., Bay, J.A. & Roesset, J.M., 1994. In R.D. Wood (ed.), Characterization of geotechnical sites by SASW method. Geotechnical characterization of sites, *New Delhi: 15-26.*

Sukirman S., 1999, Perkerasan Lentur Jalan Raya, Penerbit Nova, Bandung.

Sunarjati S., 2005, *Studi Kecepatan Gelombang Geser dan Panjang Gelombang Pada Variasi Tebal Slab Beton Perkerasan Kaku Menggunakan Metode SASW*, Yogyakarta : Tugas Akhir UMY.

Tjokrodimulyo, K, 1996, Teknik Gempa, Jurusan Teknik Sipil, Universitas Gajah Mada, Yogyakarta.

Wang, Jin-Jung., Chang, Ta-Peng., Chen, Bo-tsun., Wang, Helsin., 2012, 'Determination of Poisson's ratio of solid circular rods by impact-echo method', *Journal of Sound and Vibration*, Vol. 331, No. 5, pp. 1059-1067.

Widodo W., Rosyidi S.A., 2009, Investigasi Eksperimen Parameter Seismik dan Daya Dukung Tanah Dasar Perkerasan Menggunakan Metode Gelombang Permukaan), *Semesta Teknika*, Vol.12, No.1, hal.67-77.

Yanwari, D.E., 2008, *Analisis Modulus elastisitas dan Ketebalan Lapisan Pada Model Fisik Perkerasan Jalan Lentur Menggunakan Metode SASW*, Yogyakarta : Tugas Akhir UMY.

Yoder, E. J., Witczak, M.W., 1975. *Principles of Pavement Design*, United States of America : A Wiley-Interscience Publication.

Zhang, J.John., Bartley, P.Lawrence., 2005, 'Factors determining Poisson's ratio'