



DAFTAR PUSTAKA

- Aly, M.A. 2004. *Teknologi Perkerasan Beton Semen*, Yayasan Pengembangan Teknologi dan Manajemen, Jakarta.
- Bowles, J.E. 1997. *Foundation Analysis and Design*, McGraw-Hill.
- Cook, R.D., Malkus, D.S., Plesha, M.E. 1989. *Concept and Application of Finite Element Analysis*, 3rd Ed., John Wiley and Sons Inc.
- CSI. 2012. *Analysis Reference Manual*. Computers & Structures, Inc. USA.
- Delatte, N. 2008. *Concrete Pavement Design, Construction and Performance*. Taylor & Francis. New York. USA.
- Departemen Pekerjaan Umum. 2013. *Manual Desain Perkerasan*. Direktorat Jenderal Bina Marga. Jakarta.
- Fenner, T. R. 1996. *Finite Element Methods for Engineers*. Imperial College Press, Danvers, USA
- Flintsch, G. W. 2008. *Composite pavement systems Synthesis of Design and Construction Practices*. Virginia Tech Transportation Institutue.
- Gere dan Timoshenko. 2000. *Mekanika Bahan*, Jilid 2 Edisi ke 4, Erlangga, Jakarta.
- Gibson, J.E. 1980. *Thin Shells, Computing and Theory*, Pergamon Press, UK.
- Hamirhan S. 2005. *Konstruksi Jalan Raya*. Nova, Bandung.
- Hardiyatmo, H. C. 2011. *Perencanaan Perkerasan Jalan & Penyelidikan Tanah*. Gamapress. Yogyakarta.
- Hartmann, F., Katz, C. 2007. *Structural Analysis with Finite Element*. Springer. Germany.
- Hilyanto, R.H., Setiawan, B., Surjandari N.S. 2013. *Simulasi Perilaku Pelat Beton Sebagai Perkerasan Kaku di Atas Tanah Subgrade Saradan Menggunakan Metode Elemen Hingga*. e-jurnal matriks teknik sipil, vol. 1, no. 4, pp 424-431.
- Huang, H. Y. 2004. *Pavement Analysis and Design*. University of Kentucky, Prentice Hall, Englewood Cliffs. New Jersey, U.S.A.
- Katili, I. 2003. *Metode Elemen Hingga untuk Pelat Lentur*. UI Press. Jakarta.



- Kim, S., Ceylan, H., and Gopalakrishnan, K. 2014. *Finite Element Modelling of Environmental Effects on Rigid Pavement Deformation*. Frontiers of Structural and Civil Engineering Journal, Volume 8, Issue 2, pp. 101-114.
- Logan, D., L. 2007. *A First Course in the Finite Element Method, Four Edition*. Nelson, a Division of Thomson Canada Limited. Canada.
- Mackiewicz, P. 2015. *Finite-Element Analysis of Stress Concentration Around Dowel Bars in Jointed Plain Concrete Pavement*. J. Transp. Eng, vol. 6, no. 141, pp 06015001.
- Masad, E., Taha, R., Muhunthan, B. 2006. *Finite Element Analysis of Temperature Effect on Plain-Jointed Concrete Pavement*. Journal of Transportation Engineering, vol. 5, pp 388-398.
- Mashhour dan Mahmoud. 2008. *Design of Reinforced Concrete Structures*, Edisi ke 2 Volume 1. Cairo University, Kairo.
- Maske, N.A., Anandkumar, A. Majumder, A. 2013. *Analysis of Rigid Pavement Stresses by Finite Element Method and Westergaard's Method by Varying Sub-grade Soil Properties*. International Journal of Engineering Science Inovation, vol. 2, issue 3, pp 52-55.
- Nawy, E., G. 1998. *Beton Bertulang (Suatu Pendekatan Dasar)*. Refika Aditama. Bandung.
- NCHRP. 2004. *Guide for Mechanistic-Empirical Design of New and Rehabilitated Pavement Structures*. National Cooperative Highway Research Program (NCHRP). Transportation Research Board Nation Research Council. ARA, Inc. ERES Consultants Division 505 West University Avenue Champaign. Illinois.
- Nurhidayat. 2014. *Deformasi Sistem Perkerasan Lentur dan Kaku dengan Tipe Beban Berjalan pad Subgrade Pondasi Elastis Secara Numerik*. Universitas Hasanuddin. Makasar.
- Otani S., Kaneko T., Shiohara H. 2003. *Strain Rate Effect on Performance of Reinforced Concrete Members*. Proc. of fib symposium, Concrete Structures in Seismic Regions, May 2003, Athens.
- Patil, V.A., Sawant, V.A., Deb, K. 2013. *2D- Finite Element Analysis if Rigid Pavement Considering Dynamic Vegicle-Pavement Interaction Effect*. Applied Mathematic Modelling, no. 37, pp 1282-1294.
- Potts, M.D., Zdravkovic, L. 2001. *Finite Element Analysis in Geotechnical Engineering: Theory*, Thomas Terlford Publishing, London.
- Priyosulistyo, HRC. 2010. *Struktur Beton Bertulang I*. Biro Penerbit, Yogyakarta



Rahiminezhad, S. dan Zokaei, M. 2016. *Finite Element Investigation of Vehicle Speed Effect on Jointed Concrete Pavement*. Journal of Engineering and Applied Sciences, vol. 11, no. 4, pp 778-782.

Roesler, J. R., Littleton, P. C., Hiller, J.E., Long, G. E. 2004. *Effect of Stress State on Concrete Slab Fatigue Resistance*, Interim Draft Report for FAA Center of Excellence for Airport Technology Report No. 25, Department of Civil and Environmental Engineering, University of Illinois at Urbana, Champaign, Urbana, Illinois, October, 2004, 227 pp.

Su, Y., Xin, S., Shi, J., Zhang, Z. 2012. *Stress Analysisi of Cement Concrete Pavement with Special Heavy Mine Vehicle*. Energy Procedia, no.16, pp 722-729.

Suhendro, B. 2000. *Metode Elemen Hingga dan Aplikasinya*. Beta Offset.

Tjarongem, M.W., Irmawaty, R., Lafi, R.S. .2015. *Analisa Numerik Tegangan Akibat Beban Monotonik pada Pelat Beton Sebagai Lapis Perkerasan Kaku*.Universitas Hasanudin : Jurnal Tugas Akhir. Makasar.

Tomisawa K., Nishimoto S., and Fukushima H. 2004. *Study On The Characteristics Of Dynamic Horizontal Subgrade Reaction For Different Types Of Ground By Centrifuge Model Experiments Using Single Pile Models*. 13th World Conference on Earthquake Engineering Vancouver, B.C., CanadaAugust 1-6, 2004 Paper No. 162

Weck, Olivier dan Kim, Il Yong. 2004. *Engineer Design and Rapid Prototyping*, Massachusetts Institute of Technology, Boston.

William, G.W., Shoukry, S.N. 2001. *3D Finite Element Analysisi of Temperature-Included Stress in Dowel Jointed Concrete Pavement*. International journal of geomechanic, vol. 1, no. 3, pp 291-307.