



## DAFTAR PUSTAKA

- Anonim, 2011, Ansys Mechanical APDL, Canonsburg, PA.
- Anugrah, I., 2019, Simulation of API 5L X80 Pipe Strength with Gouge and Dent Defect Combination, *Thesis*, Gadjah Mada University.
- Alexander, C.R., Kiefner., J.R., 1997, Effects of smooth and rock dents on liquid petroleum pipelines, *API Pipeline Conference*, Dallas, Texas.
- ASME, 2018, ASME B31.8: Gas Transmission and Distribution Piping System, The ASME, New York.
- Beer, F.P., Johnston Jr, E.R., DeWolf, J.T., dan Mazurek, D.F., 2012, Mechanics of Material, Edisi 7, McGraw Hill, New York.
- Boresi, A.P. dan Schmidt, R.J., 2003, Advanced Mechanics of Material, Edisi 6, John Wiley & Sons, Hoboken.
- Brooker, D.C., 2004, Denting of pressurised pipelines under localised radial loading, *International Journal of Mechanical Science*, Vol. 46, pp. 1783 - 1805.
- Cai, J., Jiang, X., Lodewijks, G., Zhu, L., 2019, Experimental Investigation of Residual Ultimate Strength of Damaged Metallic Pipeline, *International Journal of Offshore Mechanic and Artic Engineering*, Vol. 141, pp. 519-531.
- Cosham, A. dan Hopkins, P., 2004, The effect of dents in pipelines-guidance in the pipeline defect assessment manual, *International Journal of Pressure Vessel and Piping*, Vol. 81, pp. 127 - 139.
- Fowler, J.R., Alexander, C.R., Kovach, P.J., Connelly, L.M., 1994, Cyclic pressure fatigue life of pipelines with plain dents, dents with gouges, and dents with welds, *Report PR-201-927 and PR-201-9324*, American Gas Association.
- Gere, J.M. dan Goodno, B.J., 2013, Mechanic of Material, pp. 700 - 702, Edisi 8, Global Engineering, Stanford.
- Hagiwara, N., Oguchi, N., 1998, Fatigue behavior of line pipes subjected to severe mechanical damage, *International Pipeline Conference*, pp. 291-298.
- Hibbeler, R.C., 2014, Mechanic of Materials, Edisi 9, Prentice Hall, New Jersey.
- Hyde, T.H., Luo, R., Becker, A.A., 2009, Analysis of stresses in pipes indented by long external indentations and subsequent stress variations due to pressure fluctuations, *International Journal of Pressure Vessel and Piping*, Vol. 86, pp. 428 - 434.
- Iflefel, I.B., Moffat, D.G., Mistry, J., 2005, The Interaction of pressure and bending on the dented pipe, *International Journal of Pressure Vessel and Piping*, Vol. 82, pp. 761 - 769.
- Logan, D.L., 2012, A First Course in the Finite Element Method, Edisi 5, Global Engineering, Stamford.
- Marliano, A., 2020, Simulation of Geometric Shape Effect of Dent Defect to Gas Pipeline Strength, *Thesis*, Gadjah Mada University.
- Ong, L.S., Soh, A.K., Ong, J.H., 1992, Experimental and finite element investigation of a local dent on pressurized pipeline, *The Journal of Strain Analysis for Engineering Design*, Vol. 27, pp. 177 - 185.
- Pinheiro, B.C., Pasqualino, I.P., Cunha, S.B., 2006, Stress concentration factors of dented pipeline, *Proceeding of the 6<sup>th</sup> International Pipeline Conference*, Calgary, Canada.



UNIVERSITAS  
GADJAH MADA

**Simulasi Pengaruh Catat Dent Berbentuk Silindris Terhadap Kekuatan Pipa Penyalur Yang Menerima Tekanan Internal Siklik**

SONY ARIA WIRYAWAN, Dr.Eng. Ir. R. Rachmat A. Sriwijaya, S.T., M.T., IPM., ASEAN.Eng.

Universitas Gadjah Mada, 2022 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Pinheiro, B.C., Pasqualino, I.P., 2009, Fatigue analysis of damaged steel pipelines under cyclic internal pressure, *International Journal of Fatigue*, Vol. 31, pp. 962-973.

Rinehart, A.J., 2003, Effect of localized geometric imperfections on the stress behavior of pressurized cylindrical shells, *Dissertation*, Texas A&M University.

Shigley, J.E., Mischke, C.R., 2001, Mechanical engineering design, Edisi 6, McGraw Hall, New York.

Stewart, M., 2016, Surface Production Operation, *Chapter 11 Pipeline System*, Gulf Professional, Waltham.

Technology, B.F., 2012, Dent fatigue life assessment, *DOT #432 Closeout Report*.

Zhu, X. K. dan Leis, B. N., 2006, Theoretical and numerical predictions of burst pressure of pipelines, *Proceeding of Pressure Vessels and Piping*, ASME.