

DAFTAR PUSTAKA

- Alexander, C., Brownlee, K., 2007, Methodology for Assessing the Effects og Plain Dents, Wrinkle Bends, and Mechanical Damage on Pipeline Integrity. NACE 2007. Nashville, Tennessee, US.
- Amaya-Gómez, R., Sánchez-Silva, M., dan Muñoz, F., 2019, Integrity Assessment of Corroded Pipelines Using Dynamic Segmentation and Clustering. *Process Safety and Environmental Protection*, 128, 284–294.
- American Society of Mechanical Engineers & American Society of Mechanical Engineers, 2018, Gas Transmission and Distribution Piping Systems, American Society of Mechanical Engineers.
- Bi, Z., dan Wang, X., 2020, Computer Aided Design and Manufacturing, 1st ed., Wiley-ASME Press Series, New Jersey.
- Beale, R., & Bowers, P. 2017. The Planning Guide to Piping Design (Process Piping Design Handbook) 2nd ed.. Gulf Professional Publishing. United Kingdom
- Beer, F., Johnston, E., DeWolf, J., dan Mazurek, D., 2019, Mechanics of Materials, 8th ed., McGraw-Hill Education, United Kingdom
- Behera, B. K., & Hari, P. K., 2010, Woven Textile Structure: Theory and Applications (*Woodhead Publishing Series in Textiles*) (1st ed.). Woodhead Publishing.
- Benzley, S. E., Perry, E., Merkley, K., Clark, B., & Sjaardama, G. (1995, October). A Comparison of All Hexagonal and All Tetrahedral Finite Element Meshes for Elastic and Elasto-Plastic Analysis. In Proceedings, 4th international meshing roundtable (Vol. 17, pp. 179-191). Sandia National Laboratories Albuquerque, NM.
- Burkhart, T. A., Andrews, D. M., dan Dunning, C. E., 2013, Finite Element Modeling Mesh Quality, Energy Balance and Validation Methods: A Review with Recommendations Associated with The Modeling of Bone Tissue, *Journal of Biomechanics*, 46(9), 1477–1488.
- Fiedler, T., 2010, On The Mesh Dependence Of Non-Linear Mechanical, *Finite Element Analysis*, 46, 371–378.
- Hafez, K. M., 2021, The Role of A Plain Dent on The Failure Mode of A Crude Oil Pipeline, *Engineering Failure Analysis*, 122.
- Hibbeler, R., 2016, *Mechanics of Materials*, 10th ed., Pearson, United Kingdom.
- Huang, Y., & Zhang, P. 2021. Strain response analysis of API 5L X80 pipelines with a constrained dent subjected to internal pressure. *International Journal of Pressure Vessels and Piping*, 193, 104472.
- Palmer-Jones, R., Turner, S., Hopkins., P., 2008, A Proposal for the Development



of an International Recommended Practice in Pipeline Defect Assessment and Repair Selection, *Evaluation and Rehabilitation of Pipelines*, Prague, Czech Republic.

Khademi-Zahedi, R., 2019, Application of The Finite Element Method for Evaluating The Stress Distribution in Buried Damaged Polyethylene Gas Pipes, *Underground Space (China)*, 4(1), 59–71.

Kim, N. H., 2015, Introduction to Nonlinear Finite Element Analysis. In *Introduction to Nonlinear Finite Element Analysis*, Springer Science & Business Media. New York

Luo, J., Zhang, Y., Li, L., Zhu, L., dan Wu, G., 2020, Fatigue Failure Analysis of Dented Pipeline and Simulation Calculation, *Engineering Failure Analysis*, 113, 104572.

Naghipour, M., Ezzati, M., dan Elyasi, M., 2018, Analysis of High-Strength Pressurized Pipes (API-5L-X80) with Local Gouge and Dent Defect. *Applied Ocean Research*, 78, 33–49.

Nayyar, M. L., 1992, *Piping Handbook*, 6th ed., Vol. 1, McGraw-Hill (Tx), New York.

Ramasamy, R., dan Tuan Ya, T.M.Y.S., 2014, Nonlinear Finite Element Analysis of Collapse and Post-Collapse Behaviour in Dented Submarine Pipelines, *Applied Ocean Research*, 46, 116–123.

Renton, J.D., 2002, *Applied elasticity : matrix and tensor analysis of elastic continua*, Elsevier Science, 1–48.

Sadd, M. H., 2005, Elasticity. Elsevier Gezondheidszorg, Rhode Island

Schneider, T., Hu, Y., Gao, X., Dumas, J., dan Zorin, D., 2019, *A Large-Scale Comparison of Tetrahedral and Hexahedral*, 1–27.

Shuai, Y., Shuai, J., dan Zhang, X., 2018, Experimental and Numerical Investigation of The Strain Response of A Dented API 5L X52 Pipeline Subjected to Continuously Increasing Internal Pressure, *Journal of Natural Gas Science and Engineering*, 56, 81–92.

Vargas-Arista, B., Hallen, J. M., dan Albiter, A., 2007, Effect of Artificial Aging on The Microstructure of Weldment on API 5L X-52 Steel Pipe, *Materials Characterization*, 58(8-9 SPEC. ISS.), 721–729.

Weaver, W., dan Johnston, P.R., 1987, Structural Dynamics by Finite Elements. Prentice Hall, New Jersey

Wu, Y., Tang, N., dan Zhang, P., 2015, The Comparison of Dented Pipeline Displacement Calculation Methods, *Engineering Failure Analysis*, 57, 562–573.

Wu, Y., Zhang, Y., dan Li, L., 2021, Analysis of Ductile Damage Changes of



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ANALISIS ELEMEN HINGGA DISTRIBUSI TEGANGAN DARI PIPA API 5L X80 YANG MENGALAMI CACAT DENT AKIBAT IDENTER RIPPER BUCKET TEETH 6Y0309

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Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Pipelines with Unconstrained Dents in Rebound Process, *Engineering Failure Analysis*, 120.

Yeom, K. J., Lee, Y. K., Oh, K. H., dan Kim, W.S., 2015, Integrity Assessment of A Corroded API X70 Pipe with A Single Defect by Burst Pressure Analysis, *Engineering Failure Analysis*, 57, 553–561.

Zeng, W., Yan, J., Hong, Y., dan Cheng, S. S., 2021, Numerical Analysis of Large Deflection of The Cantilever Beam Subjected to A Force Pointing at A Fixed Point, *Applied Mathematical Modelling*, 92, 719–730.

Zhang, P., Huang, Y., Wu, Y., dan Mohamed, H. S., 2020, Investigations on The Re-Rounding Performance of Dented-Pipelines at The Service and Shutdown Stages, *Engineering Failure Analysis*, 116(July), 104746.

Zhao, P., Shuai, J., Lv, Z., dan Xu, K., 2020, Strain Response of API 5L X80 Pipeline Subjected to Indentation, *Applied Ocean Research*, 94.

Zohuri, B., 2020, Different Types Of Heat Pipes, In Functionality, *Advancements and Industrial Applications of Heat Pipes*, Elsevier