

## DAFTAR PUSTAKA

- Ahamed, S.B.B., Vanajassun, P.P., Rajkumar, K., Mahalaxmi, S., 2017, *Comparative Evaluation of Stress Distribution in Experimentally Designed Nickel-Titanium Rotary Files with Varying Cross Sections : A Finite Element Analysis*, SRM Dental College, Chennai, India.
- Bachtiar, Zulfi Amalia, 2016, *Perawatan Saluran Akar pada Gigi Permanen Anak dengan Bahan Gutta Percha*, J. PDGI
- Baek, S.H., Lee, C.J., Versluis, A., Kim, B.M., Lee, W.C., Kim, H.C., 2011, *Comparison of Torsional Stiffness of Nickel-Titanium Rotary Files with Different Geometric Characteristics*, J. Endod.
- Beer, F.P., Johnston, E.R. Jr., DeWolf, John T., Mazurek, David F., 2012, *Mechanics Of Materials, Sixth Edition*, McGraw-Hill, Amerika Serikat.
- Caicedo, Ricardo dan Clark, J. Stephen, 2012, *HyFlex CM rotary files: An excellent innovation for endodontic treatment*, ResearchGate
- Cheung, G.S.P., Darvell, B.W., 2007, *Fatigue testing of a NiTi Rotary Instrument. Part 1 : Strain-Life Relationship*, Int. Endod. J., University of Hong Kong, HKSA, China.
- Cheung, G.S.P., Zhang, E.W., Zheng, Y.F., 2011, *A Numerical Method for Predicting the Bending Fatigue Life of NiTi and Stainless Steel Root canal Instruments*, Int. Endod. J., Peking University, China.
- Cohen, S., Burns, R.C., 2001, *Pathways of The Pulp, 8th ed, Elsevier Health Sciences*.
- Cook, Robert D., *Concepts And Applications Of Finite Element Analysis*, Second Ed., PT Eresco, Madison
- Diana, S. dan Santosa, P. 2013, *Perawatan Satu Kunjungan Pada Premolar Pertama Atas Menggunakan Protaper Rotary dan Restorasi Resin Komposit*, *Maj Ked Gi. 20(1): 85-91*
- Grande, N.M., Plotino, G., Pecci, R., Bedini, R., Malagnino, V.A., 2006, *Cyclic Fatigue Resistance and Three-Dimensional Analysis of Instruments from Two Nickel-Titanium Rotary System*, Int. Endod. J.



Hibbeler, R.C., 2001, *Mechanics of Material edisi 8*, Pearson Highered, Amerika Serikat.

Hu, T., Cheng, R., Shao, M., Yang, H., Zhang, R., Gao, Q., Guo, L., 2010, *Application of Finite Element Analysis in Root Canal Therapy, Finite Element Analysis*, 978-953-307-123-7, 103-123

Jamasri, 2015, *Mekanika Material (Mechanics of Materials) I*, DTMI Universitas Gadjah Mada, Yogyakarta.

Kell, T., Azarpazhooh, A., Peters, O.A., El-Mowafy, O., Tompson, B., Basrani, B., 2009, *Torsional Profiles of New and Used 20/06 GT series X and GT Rotary Endodontic Instruments*, J. Endod.

Liu, A.F, 2005, *Mechanics and Mechanism of Fracture : An Introduction*, United States of America

Logan, D.L., 2007, *A First Course in The Finite Element metod*, Fourth Edition, United State.

Meilawaty, Z., Hadnyawati, H., Kiswaluyo, 2015, *Pola Perawatan Gigi Dengan Kelainan Pulpa Di Rumah Sakit, Stomatogantic (J. K. G Unej)*

Montalvao, D., Shengwen, Q., Freitas, M., 2014, *A Study on The Influence of Ni- Ti M-Wire in The Flexural Fatigue Life of Endodontic Rotary Files by Using Finite Element Analysis*, School of Engineering and Technology, University of Hertfordshire, College Lane Campus, Hartfield, UK.

Parashos, P., Gordon, I., Messer, H.H., 2004, *Factors Influencing Defects of Rotary Nickel Titanium Endodontic Instrument After Clinical Use*, J. Endod.

Pettiette, M.T., Delano, E.O., Trope, M., 2001, *Eveluation of Success Rate of Endodontic Treatment Performed by Students with Stainless-Steel K-Files and Nickel Titanium Hand Files*, J. Endod.

Plotino, G., Grand, N.M., Cordaro, M., Testarelli, L., 2010, *Influence of the shape of artificial canals on the fatigue resistance of Ni-Ti rotary instruments*, J. Endod.

Pusat Data dan Informasi Kementerian Republik Indonesia, 2019, *InfoDATIN*, Kementerian Kesehatan Republik Indonesia, Indonesia



Scafer, E. dan Oitzinger, M., 2008, *Cutting Efficiency of Five Different Types of Rotary Nickel Titanium Instruments*, J. Endod.

Walia, H. dan Brantley, W.A., 1988, *An Initial Investigation of The Bending and Torsional Properties of Nitinol Root Canal Files*, J. Endod.

Weaver, William dan Johnston, P.R., 1993, *Structural Dynamics by Finite Element*, Prentice Hall, Amerika Serikat.

Wakhidah, S.N., 2020, *Redesign Alat Endodontik Putar Protaper Next*, DTMI Universitas Gadjah Mada, Yogyakarta.

Widodo S., 2006, *Modul Kuliah Mekanika Teknik 3*, Departemen Pendidikan Nasional Universitas Negeri Yogyakarta, Yogyakarta.

Xu, X., M.Eng., Zheng, Y., dan Eng, D., 2006, *Comparative Study of Torsional and Bending Properties for Six Models of Nickel-Titanium Root Canal Instruments with Different Cross-Sections*, J. Endod.

Zelada, G., M.S., Varela, P., Ph.D., Martin, B., Ph.D., Bahillo, Jose´ G., Ph.D., Magan, F., M.S., and Ahn, S., M.S., 2002, *The Effect of Rotational Speed and the Curvature of Root Canals on the Breakage of Rotary Endodontic Instruments*, J. Endod.