

DAFTAR PUSTAKA

- American Geriatrics Society Panel on Exercise and Osteoarthritis. 2001. Exercise Prescription for Older Adults with Osteoarthritis Pain. *The American Geriatrics Society*, Vol.49, 808-823.
- Artana, I.M. 2015. *Vitamin C mengurangi kejadian kerusakan kolagen yang diinduksi ciprofloxacin pada tendon archilles tikus (wistar)*. (Tesis). Denpasar: Universitas Udayana.
- Bauge, C., Leclercq S., Conrozier T., Boumediene K. 2015. TOL19-001 Reduces Inflammation and MMP Expression in Monolayer Cultures of Tendon Cells. *BMC Complementary and Alternative Medicine*, Vol.15, 217.
- Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI. 2013. Riset Kesehatan Dasar (Riskesdas). (*Penyakit Tidak Menular: Sendi/Rematik/Encok*).
- Bernard, T.E., Wilder F.V., Aluoch M., Leaverton P.E. 2010. Job-related osteoarthritis of the knee, foot, hand, and cervical spine. *Journal of occupational and environmental medicine/American College of Occupational and Environmental Medicine*, Vol.52(1), 8-33.
- Bio-Rad Laboratories. 2000. iScript gDNA Clear cDNA synthesis Kit Catalog: Bio-Rad Laboratories, Inc.
- Biotium Technologies. 2016. *EvaGreen Dye and Master Mix for qPCR*, Diakses pada 12 Desember 2016 dari: <https://biotium.com/technology/evagreen-dye-for-qpcr/>
- Bondeson, J., Arjen B.B., Shane W., Clare H., Bruce C., Wim B. 2010. The role of synovial macrophages and macrophage-produced mediators in driving inflammatory and destructive responses in osteoarthritis. *Journal of Arthritis & Rheumatism*, Vol.62(1), 647-657.
- Brown, S.R., E. Cleveland, Deeken, Huitron, Aluka, K.G., Davis. 2016. Type I/type III collagen ratio associated with diverticulitis of the colon in young patients. *Journal of Surgical Research*.
- Butler, J.M. 2005. *Forensic DNA typing: Biology, Technology, and Genetic of STR markers*. London: Elsevier Academic Press.
- Center for Disease Control and Prevention (CDC): *Osteoarthritis*, Diakses pada 28 April 2016 dari: <http://www.cdc.gov/arthritis/basics/osteoarthritis.html>.

- Chang, W.C., Cheng W.C., Chaang R.C., Wun Y.S., Min L.T., Ching L.H., Ian C.H. 2011. Identification of Human Housekeeping Genes and Tissue-Selective Genes by Microarray Meta-Analysis. *PLoS ONE*, Vol.6 (7).
- Chiaffarino, F., Chatenoud, L., Dindelli, M., Meschia, M., Buonaguidi, A., Amicarelli, F., Surace, M., Bertola, E., Di Cintio, E. & Parazzini, F. 1999. Reproductive Factors, Family History, Occupation and Risk of Urogenital Prolapse. *European Obstet & Gynecol Journal*, Vol.82, 63-7.
- Chickenji, T., Anne G., Chunfeng Z., Sandra M.P., Yasuhiro O., Dirk L., Kai-Nan A., Peter C.A. 2014. Transforming Growth Factor- β (TGF- β) Expression is Increased in the Subsynovial Connective Tissues of Patients with Idiopathic Carpal Tunnel Syndrome. *Journal Orthopedic Res*, Vol.32 (1), 116-122.
- Dipiro, J.T., Robert L.T., Gary C.Y., Gary R.M., Barbara G.W., L. Michael P. 2008. *Pharmacotherapy a pathophysiologic approach*. (7th ed). New York: The McGraw-Hill companies.
- Dipiro, J.T., Robert L.T., Gary C.Y., Gary R.M., Barbara G.W., L. Michael P. 2005. *Pharmacotherapy a pathophysiologic approach*. (6th ed). New York: The McGraw-Hill companies.
- Driskell, C. 2006. *What You Need to Know About Arthritis*. American Physical Therapy Association.
- Fatchiyah, 2011. *Modul Pelatihan Analisis Fingerprinting DNA Tanaman Dengan Metode RAPD*. Laboratorium Sentral Ilmu Hayati Universitas Brawijaya: Malang.
- Fransen, M., Brigdgett L., March L., Hoy D., Penserga E., Brook P. 2011. The Epidemiology of osteoarthritis in Asia. *International Journal of Rheumatic Diseases*, Vol.14, 113–121.
- Garnero, P., M Piperno, E Gineyts, S. Christgau, P.D Delmas, E. Vignon. 2001. Cross Sectional Evaluation of Biochemical Markers of Bone, Cartilage, and Synovial Tissue Metabolism in Patients with Knee Osteoarthritis: Relations with Disease Activity and Joint Damage: *Ann Rheum Dis*, Vol.60, 619-626.
- Gu, J., Jiesheng R., Fulin G., Liying J., Shuqing T., Guofa G., Tianzu T. 2012. MATN₃ Gene Polymorphism Is Associated with Osteoarthritis in Chinese Han Population : A Community-Based Case-Control Study. China. *The Scientific world Journal*.

- Hagiwara, Y., Akira A., Yoshito O., Hiroyuki M., Eiichi C., Hideaki S., Eiji I. 2009. Expression Patterns of Collagen Types I and III in the Capsule of a Rat Knee Contracture Model. *Journal of Orthopaedic Research Society*.
- Hamijoyo, L. 2007. *Pengapuran sendi atau osteoarthritis*, Diakses pada tanggal : 1 Mei 2016 dari Perhimpunan Reumatologi Indonesia. <http://reumatologi.or.id/reuarttail?id=23>.
- Hansen, K.E., & Elliot M.E. 2005. *Osteoarthritis pharmacotherapy a pathophysiological approach*. New York: McGraw-Hill companies.
- Herrick, A.L., J. Glynne A., Lennard F., Charles H. 2010. *Orthopaedics and rheumatology*. London: Churchill Livingstone Elsevier.
- Invitrogen. 2016. *Trizol Reagent*. Catalog. USA: Life technologies.
- Kapoor, M., Johanne M.P., Daniel L., Jean P.P., and Hassan F. 2011. Role of proinflammatory cytokines in the pathophysiology of osteoarthritis. *Nature Reviews Rheumatology*, Vol.7, 33-42.
- Kerkhof, M.H., Hendriks, L., Brolmann, H.A.M. 2009. Changes in connective tissue in patients with pelvic organ prolapse. *International Urogynecol Journal*, Vol.20, 461-74.
- Kumar, V., Abul K.A., Nelson F., Jon C.A. 2010. *Pathologic basis of disease*. (8th ed). London: Elsevier Academic Press.
- Lubis, N.R. 2013. Osteoarthritis. *Jurnal Ilmu Bedah Indonesia (Indonesian Journal of Surgery)*, Vol.41(1), 19-27.
- Maharani, E.P. 2007. *Faktor-Faktor Resiko Osteoarthritis lutut*. (Tesis). Semarang : Universitas diponegoro.
- Mandal, A. 2013. *Collagen Types and Linked Disorders*, Diakses pada 15 November 2016 dari : <http://www.news-medical.net/health/Collagen-Types-and-Linked-Disorders.aspx>.
- Martin, I., M. Jakob, D. Schafer, W. Dick, G. Spagnoli, M. Heberer. 2001. Quantitative analysis of gene expression in human articular cartilage from normal and osteoarthritic joints. *Journal of the Osteoarthritis Research Society International*, Vol.9, 112-118.
- McPherson, M.J., & S.G. Moller. 2006. *PCR*. US : Taylor and Francis group.

- Minafra L., Valentina B., Michele S., Francesco P.C., Giusi I.F., Salvatore C., Michele D., Maria C.G., Cristina M., Flippo B. 2014. Genetic, clinical & radiographic signs in knee osteoarthritis susceptibility. *Arthritis Research & Therapy*, Vol.16.
- Miosge, N., Hartmann, M., Maelicke, C., Herken, R., 2004. Expression of collagen type I and type II in consecutive stages of human osteoarthritis. *Histochem Cell Biol*, Vol.122, 229–236.
- Muoh, O., Charles J.M., Ali D.A. 2014. Clinical Signifikan and Implication of Genetic and Genomic studies in Patiens with Osteoarthritis. *Dove Press Journal Advance in Genomic and genetics*, Vol.4, 193-206.
- Murphy, L., & Helmick C.G. 2012. The Impact of Osteoarthritis in the United States: A Population-Health Perspective. *American Journal of Nursing*, Vol.112 (3).
- Pai, A.C. 1985. *Dasar - Dasar Genetika*. (Edisi 2). Penerjemah: M. Apandi. Jakarta : Erlangga.
- Retnoningrum, D.S. 2010. *Replikasi dan Polymerase Chain Reaction (PCR)*. Bandung: Sekolah Farmasi ITB.
- Schmittgen, T.D., Kenneth J.L. 2008. Analyzing Real-Time PCR Data by the Comparative C_T Method. *Nature Protocols*, Vol.3(6).
- Setiyohadi, B. 2003. Osteoarthritis Selayang Pandang. Dalam Temu Ilmiah Rheumatologi. Jakarta: 27-31.
- Sukandar, E.Y., Retnosari A., Joseph I.S., I Ketut A., A Adji P.S., Kusnandar. 2009. *Iso Farmakoterapi*. Jakarta : ISFI.
- Wang, W., Kunsong C., Changjie X. 2006. DNA quantification using Eva Green and a real time PCR instrument. *Analytical Biochemistry*, 303-305.
- Wells, B.G., Joseph T.D., Terry L.S., Cecily V.D. 2009. *Pharmacotherapy handbook*. (7th ed). New York: McGraw-Hill Companies
- Yucesoy, B., Luenda E.C., Brent B., Cecil M.B. 2015. Occupational and Genetic Risk Factors for Osteoarthritis: A Review. USA : HHS Public Access.
- Yusuf, Z.K. 2010. Polymerase Chain Reaction (PCR). *Saintek*. Vol.5(6).
- Yuwono, T. 2008. *Biologi molekular*. Jakarta: Erlangga.

Yuwono, T. 2006. *Teori dan aplikasi polymerase chain reaction, panduan eksperimen PCR untuk memecahkan masalah biologi terkini*. Yogyakarta: Andi.

Zhong, L., Huang X., Karperein M., Post J.N., 2016. Correlation between Gene Expression and Osteoarthritis Progression in Human. *International Journal of Molecular Sciences*, Vol.17, 1126

