

DAFTAR PUSTAKA

- Ahmad, M. and Crescenti, F. (2019) ‘Significant Adhesion Reduction with 4DryField PH after Release of Adhesive Small Bowel Obstruction’, *The Surgery Journal*, 05(01), pp. e28–e34. doi: 10.1055/s-0039-1687857.
- Altun, I. and Çıralık, H. (2015) ‘Histopathological effects of tissue adhesives on experimental peripheral nerve transection model in rats’, *Journal of Korean Neurosurgical Society*, 58(6), pp. 504–507. doi: 10.3340/jkns.2015.58.6.504.
- Anggraeni, N. D. (2008) ‘Analisa SEM (Scanning Electron Microscopy) dalam Pemantauan Proses Oksidasi Magnetite Menjadi Hematite’, *Seminar Nasional - VII Rekayasa dan Aplikasi Teknik Mesin di Industri*, (March), pp. 50–56.
- Anisha, B. S. *et al.* (2013) ‘Chitosan-hyaluronic acid/nano silver composite sponges for drug resistant bacteria infected diabetic wounds’, *International Journal of Biological Macromolecules*. Elsevier B.V., 62, pp. 310–320. doi: 10.1016/j.ijbiomac.2013.09.011.
- Annaqiyah, W. K., Widiyanti, P. and Zaidan, A. H. (2018) ‘Hyaluronic Acid (HA)-Methylcellulose (MC)-based hydrogel with antibacterial AgNPs as a post-surgery intraperitoneal anti-adhesive physical barrier’, *Journal of International Dental and Medical Research*, 11(3), pp. 1110–1115.
- Arifin, W. N. and Zahiruddin, W. M. (2017) ‘Sample size calculation in animal studies using resource equation approach’, *Malaysian Journal of Medical Sciences*, 24(5), pp. 101–105. doi: 10.21315/mjms2017.24.5.11.
- Baker, C. *et al.* (2005) ‘Synthesis and antibacterial properties of silver nanoparticles’, *Journal of Nanoscience and Nanotechnology*, 5(2), pp. 244–249. doi: 10.1166/jnn.2005.034.
- Becker, L. C. *et al.* (2009) ‘Final Report of the Safety Assessment of Hyaluronic Acid, Potassium Hyaluronate, and Sodium Hyaluronate’, *International Journal of Toxicology*, 28(4_suppl), pp. 5–67. doi: 10.1177/1091581809337738.
- Beyene, R. and Barbul, A. (2016) ‘Intra-abdominal adhesions : Anatomy , physiology , pathophysiology and treatment’, (June 2015). doi: 10.1067/j.cpsurg.2015.06.001.
- Boulogne, F. *et al.* (2016) ‘Tuning the Receding Contact Angle on Hydrogels by Addition of Particles’, *Langmuir*, 32(22), pp. 5573–5579. doi: 10.1021/acs.langmuir.6b01209.
- Brochhausen, C. *et al.* (2012) ‘Current Strategies and Future Perspectives for Intraperitoneal Adhesion Prevention’, *Journal of Gastrointestinal Surgery*, 16(6), pp. 1256–1274. doi: 10.1007/s11605-011-1819-9.
- Capet, P. and Delavallade, T. (2014) ‘Information Evaluation’, *Information Evaluation*, 9781848216, pp. 1–300. doi: 10.1002/9781118899151.
- Chaudhary, K. *et al.* (2014) ‘Nanotechnology and Adeno-Associated Virus-Based decorin gene therapy ameliorates peritoneal fibrosis’, *American Journal of Physiology - Renal Physiology*, 307(7), pp. F777–F782. doi: 10.1152/ajprenal.00653.2013.
- Chen, C. H. *et al.* (2017) ‘Injectable thermosensitive hydrogel containing hyaluronic acid and chitosan as a barrier for prevention of postoperative peritoneal adhesion’, *Carbohydrate Polymers*. Elsevier Ltd., 173, pp. 721–731. doi: 10.1016/j.carbpol.2017.06.019.
- Chong, B. F. *et al.* (2005) ‘Microbial hyaluronic acid production’, *Applied Microbiology and Biotechnology*, 66(4), pp. 341–351. doi: 10.1007/s00253-004-1774-4.

- Cramer, D. and Howitt, D. (2015) 'Mann-Whitney U test', *The SAGE Dictionary of Statistics*, pp. 1–2. doi: 10.4135/9780857020123.n315.
- Cunha, F. A. *et al.* (2016) 'Silver nanoparticles-disk diffusion test against escherichia coli isolates', *Revista do Instituto de Medicina Tropical de Sao Paulo*, 58(1), pp. 2–4. doi: 10.1590/S1678-9946201658073.
- Deng, Y. *et al.* (2017) 'Injectable in situ cross-linking chitosan-hyaluronic acid based hydrogels for abdominal tissue regeneration', *Scientific Reports*. Springer US, 7(1), pp. 1–13. doi: 10.1038/s41598-017-02962-z.
- DiZerega, G. S. and Campeau, J. D. (2001) 'Peritoneal repair and post-surgical adhesion formation', *Human Reproduction Update*, 7(6), pp. 547–555. doi: 10.1093/humupd/7.6.547.
- Elmore, S. A. *et al.* (2016) 'Recommendations from the INHAND Apoptosis/Necrosis Working Group', *Toxicologic Pathology*, 44(2), pp. 173–188. doi: 10.1177/0192623315625859.
- Franci, G. *et al.* (2015) 'Silver nanoparticles as potential antibacterial agents', *Molecules*, 20(5), pp. 8856–8874. doi: 10.3390/molecules20058856.
- Freeman, J. (2007) 'the Analysis of Categorical Data : Fisher'S Exact Test', *Scope*, 33(5), pp. 11–12. doi: 10.2337/dc09-1830.
- Gautam, G. (2018) 'General principles of MTT assay method Requirements : Procedure of MTT assay on HeK cells to check cell viability ', (November), pp. 3–5.
- Gedikli, S. *et al.* (2018) 'Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics', *Preparative Biochemistry and Biotechnology*. Informa UK Limited, trading as Taylor & Francis Group, 48(7), pp. 610–618. doi: 10.1080/10826068.2018.1476885.
- Gooch, J. W. (2011) 'Disk Diffusion Method', *Encyclopedic Dictionary of Polymers*, pp. 888–888. doi: 10.1007/978-1-4419-6247-8_13582.
- Goy, R. C., Morais, S. T. B. and Assis, O. B. G. (2016) 'Evaluation of the antimicrobial activity of chitosan and its quaternized derivative on E. Coli and S. aureus growth', *Brazilian Journal of Pharmacognosy*. Sociedade Brasileira de Farmacognosia, 26(1), pp. 122–127. doi: 10.1016/j.bjp.2015.09.010.
- Handayani, D. S. *et al.* (2019) 'Antibacterial activity of polyeugenol against staphylococcus aureus and escherichia coli', *IOP Conference Series: Materials Science and Engineering*, 578(1). doi: 10.1088/1757-899X/578/1/012061.
- Hanum, Aulidya. 2015. "Hidrogel Asam Hyaluronat-Kitosan/AgNPs Produk Biosintesis *Curcuma longa* Sebagai Antibakteri Preventif Adhesi Intraperitoneal." *Skripsi*. FST, Teknik Biomedis, Universitas Airlangga.
- Hussain, Z. *et al.* (2014) 'Synthesis and characterization of Schiff's bases of sulfamethoxazole', *Organic and Medicinal Chemistry Letters*. Organic and Medicinal Chemistry Letters, 4(1), p. 1. doi: 10.1186/2191-2858-4-1.
- Kavic, Stephen M. and Kavic, Suzanne M. (2002) 'Adhesions and adhesiolysis: the role of laparoscopy.', *JSLS : Journal of the Society of Laparoendoscopic Surgeons / Society of Laparoendoscopic Surgeons*, 6(2), pp. 99–109.
- Kumar, U., Bordoloi, R. and Ganguluy, S. (2014) 'Freeze-Drying Technique and Its Wide Application in Biomedical and Pharmaceutical Sciences', *Research Gate*, (June).
- Kurniasih, M., Kartika, D. and Riyanti (2012) 'Sintesis Dan Karakterisasi Karboksimetil Kitosan', *Prosiding Seminar Nasional*, (2012), pp. 125–138.
- Kurt, B. *et al.* (2018) 'Hyaluronic acid and synovial fluid in preventing adhesion formation after tenorrhaphy: An in vivo study on rabbit achilles tendon', *Ciencia Rural*, 48(7). doi: 10.1590/0103-8478cr20170206.

- Li, L. *et al.* (2014) 'Biodegradable and injectable in situ cross-linking chitosan-hyaluronic acid based hydrogels for postoperative adhesion prevention', *Biomaterials*. Elsevier Ltd, 35(12), pp. 3903–3917. doi: 10.1016/j.biomaterials.2014.01.050.
- Li, W. R. *et al.* (2011) 'Antibacterial effect of silver nanoparticles on *Staphylococcus aureus*', *BioMetals*, 24(1), pp. 135–141. doi: 10.1007/s10534-010-9381-6.
- Lin, L. X. *et al.* (2017) 'Evaluation of surgical anti-Adhesion products to reduce postsurgical intra-Abdominal adhesion formation in a rat model', *PLoS ONE*, 12(2), pp. 1–9. doi: 10.1371/journal.pone.0172088.
- Lisowski, A. (2019) 'Science of Tissue Processing', pp. 1–23. Available at: https://drp8p5tqcb2p5.cloudfront.net/fileadmin/downloads_lbs/190093_Rev_A_Science_of_Tissue_Processing.pdf.
- McShan, D., Ray, P. C. and Yu, H. (2014) 'Molecular toxicity mechanism of nanosilver', *Journal of Food and Drug Analysis*. Elsevier Masson SAS, 22(1), pp. 116–127. doi: 10.1016/j.jfda.2014.01.010.
- Meerlo, J. Van, Kaspers, G. J. L. and Cloos, J. (2011) 'Cell sensitivity assay - MTT', 731(March), pp. 237–245. doi: 10.1007/978-1-61779-080-5.
- Mettler, L. *et al.* (2013) 'Cross-linked sodium hyaluronate, an anti-adhesion barrier gel in gynaecological endoscopic surgery', *Minimally Invasive Therapy and Allied Technologies*, 22(5), pp. 260–265. doi: 10.3109/13645706.2012.751034.
- Milić, M. *et al.* (2015) 'Cellular uptake and toxicity effects of silver nanoparticles in mammalian kidney cells', *Journal of Applied Toxicology*, 35(6), pp. 581–592. doi: 10.1002/jat.3081.
- Mohammed, A. and Abdullah, A. (2019) 'Scanning Electron Microscopy (SEM): A Review', *Hervex*, (January), pp. 1–9.
- Nachar, N. (2008) 'The Mann-Whitney U: A Test for Assessing Whether Two Independent Samples Come from the Same Distribution', *Tutorials in Quantitative Methods for Psychology*, 4(1), pp. 13–20. doi: 10.20982/tqmp.04.1.p013.
- Necas, J. *et al.* (2008) 'Hyaluronic acid (hyaluronan): A review', *Veterinarni Medicina*, 53(8), pp. 397–411. doi: 10.17221/1930-VETMED.
- Niemann, B. and Rohrbach, S. (2016) *Metabolically Relevant Cell Biology – Role of Intracellular Organelles for Cardiac Metabolism*, *The Scientist's Guide to Cardiac Metabolism*. Elsevier Inc. doi: 10.1016/b978-0-12-802394-5.00003-0.P,
- Prasetyani, D., Apriani, E. and Sapto, Y. (2018) 'Hubungan Karakteristik, Pengetahuan dan Dukungan Keluarga Dengan Kemampuan Self Care Pada Pasien DM Tipe 2 Di Puskesmas Cilacap Tengan 1 dan 2', *Jka*, 10(1), pp. 40–49. doi: 10.1111/evo.13107.
- Japanese Society of Toxicologic Pathology'. Rabea, E. I. *et al.* (2003) 'Chitosan as antimicrobial agent: Applications and mode of action', *Biomacromolecules*, 4(6), pp. 1457–1465. doi: 10.1021/bm034130m.

- Rajasree, R. and Rahate, K. (2013) 'an Overview on Various Modifications of Chitosan and It'S Applications', *International Journal of Pharmaceutical Sciences and Research*, 4(11), p. 4175. doi: 10.13040/IJPSR.0975-8232.4(11).4175-93.
- Rocca, A. *et al.* (2016) 'Prevention and treatment of peritoneal adhesions in patients affected by vascular diseases following surgery: A review of the literature', *Open Medicine (Poland)*, 11(1), pp. 106–114. doi: 10.1515/med-2016-0021.
- Rochford, E. T. J. *et al.* (2012) *Bacterial Interactions with Polyaryletheretherketone, PEEK Biomaterials Handbook*. Elsevier Inc. doi: 10.1016/B978-1-4377-4463-7.10008-9.
- Rosales, C. (2018) 'Neutrophil: A cell with many roles in inflammation or several cell types?', *Frontiers in Physiology*, 9(FEB), pp. 1–17. doi: 10.3389/fphys.2018.00113.
- Sakai, S., Ueda, K. and Taya, M. (2015) 'Peritoneal adhesion prevention by a biodegradable hyaluronic acid-based hydrogel formed in situ through a cascade enzyme reaction initiated by contact with body fluid on tissue surfaces', *Acta Biomaterialia*. Acta Materialia Inc., 24, pp. 152–158. doi: 10.1016/j.actbio.2015.06.023.
- Shiedlin, A. *et al.* (2004) 'Evaluation of hyaluronan from different sources: Streptococcus zooepidemicus, rooster comb, bovine vitreous, and human umbilical cord', *Biomacromolecules*, 5(6), pp. 2122–2127. doi: 10.1021/bm0498427.
- Singh, S. (2015) 'World Journal of Pharmaceutical Research', *Age*, 20(January), p. 60yrs.
- Song, L. *et al.* (2016) 'Peritoneal adhesion prevention with a biodegradable and injectable N,O-carboxymethyl chitosan-aldehyde hyaluronic acid hydrogel in a rat repeated-injury model', *Scientific Reports*. Nature Publishing Group, 6(May), pp. 1–13. doi: 10.1038/srep37600.
- Stacey, G. N. (2011) 'Cancer Cell Culture, MTT assay', *Methods Mol Biol*, 731(1), pp. 79–91. doi: 10.1007/978-1-61779-080-5.
- Ten Broek, R. P. G. *et al.* (2012) 'Efficacy of polyethylene glycol adhesion barrier after gynecological laparoscopic surgery : Results of a randomized controlled pilot study', *Gynecological Surgery*, 9(1), pp. 29–35. doi: 10.1007/s10397-011-0698-0.
- Ten Broek, R. P. G. *et al.* (2018) 'Bologna guidelines for diagnosis and management of adhesive small bowel obstruction (ASBO): 2017 update of the evidence-based guidelines from the world society of emergency surgery ASBO working group', *World Journal of Emergency Surgery*. World Journal of Emergency Surgery, 13(1). doi: 10.1186/s13017-018-0185-2.
- Tisseau, J. (2008) 'In vivo , in vitro , in silico , in virtuo The virtuoscope', *1st Workshop on SMA in biology at meso or macroscopic scales*, pp. 1–17.
- van Goor, H. (2007) 'Consequences and complications of peritoneal adhesions', *Colorectal Disease*, 9(SUPPL. 2), pp. 25–34. doi: 10.1111/j.1463-1318.2007.01358.x.
- Vigani, B. *et al.* (2019) 'Hyaluronic acid and chitosan-based nanosystems: a new dressing generation for wound care', *Expert Opinion on Drug Delivery*. Taylor & Francis, 16(7), pp. 715–740. doi: 10.1080/17425247.2019.1634051.

- Wang, J. *et al.* (2014) 'Identifying neutrophils in H&E staining histology tissue images.', *Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention*, 17(Pt 1), pp. 73–80.
- Ward, B. C. and Panitch, A. (2011) 'Abdominal adhesions: Current and novel therapies', *Journal of Surgical Research*. Elsevier Ltd, 165(1), pp. 91–111. doi: 10.1016/j.jss.2009.09.015.
- Wei, G. *et al.* (2016) 'Keratinocyte growth factor combined with a sodium hyaluronate gel inhibits postoperative intra-abdominal adhesions', *International Journal of Molecular Sciences*, 17(10). doi: 10.3390/ijms17101611.
- Weiss, A. D. (1983) 'Scanning Electron Microscopes.', *Semiconductor International*, 6(10), pp. 90–94. doi: 10.1016/s0026-0576(03)90123-1.
- Wong, K. K. Y. *et al.* (2009) 'Further evidence of the anti-inflammatory effects of silver nanoparticles', *ChemMedChem*, 4(7), pp. 1129–1135. doi: 10.1002/cmdc.200900049.
- Xu, J., Liu, Y. and Hsu, S. hui (2019) 'Hydrogels based on schiff base linkages for biomedical applications', *Molecules*, 24(16), pp. 1–21. doi: 10.3390/molecules24163005.
- Yeo, Y. *et al.* (2007) 'In situ cross-linkable hyaluronan hydrogels containing polymeric nanoparticles for preventing postsurgical adhesions', *Annals of Surgery*, 245(5), pp. 819–824. doi: 10.1097/01.sla.0000251519.49405.55.
- Yilmaz, A. *et al.* (2012) 'Real-Time PCR for Gene Expression Analysis', *Polymerase Chain Reaction*, (February 2014). doi: 10.5772/37356.
- Zhong, X. *et al.* (2011) 'Fabrication of chitosan/poly(ϵ -caprolactone) composite hydrogels for tissue engineering applications', *Journal of Materials Science: Materials in Medicine*, 22(2), pp. 279–288. doi: 10.1007/s10856-010-4194-2.

