

DAFTAR PUSTAKA

- Adnan, A.Z., Marlina and Ridho A. 2016. Isolation of Agarose and its Application as medium of Gel Electrophoresis Method for HPV (Human papillomavirus) DNA Identification. *Scholars Research Library*. 8 (16):76 – 82
- Adnan, A.Z. Marlina dan Adrin G.R. 2017. Isolasi Agarosa dari Agar dan Aplikasinya sebagai Adsorben Zat Warna pada Analisis Tatrazin dengan Metode TLC Scanner. *Skripsi Sarjana Farmasi*. Padang: Universitas Andalas
- Adnan, A.Z. Marlina dan Alit R.L. 2017. Isolasi Agarosa dari Agar dan Aplikasikan sebagai Pengganti Agar pada Media Difusi Cakram Antibiotik. *Skripsi Sarjana Farmasi*. Padang: Universitas Andalas.
- American Cancer Society. 2014. *Lung Cancer (Non-Small Cell) Detailed Guide*. Atlanta, Ga: American Cancer Society.
- American Cancer Society. 2015. *Cancer Facts & Figures 2015*. Atlanta, Ga: American Cancer Society.
- American Type Culture Collection. 2013. *ATTC® Lung Cancer and Normal Cell Line*. ATTC
- Anullman. 1998. *Industrial Organic Chemicals*. New York: Wiley-VCH.
- Chapman, V.J., Chapman, D. J. 1980. *Seaweed and Their Uses*. New York: Chapman and Hall.
- Ditjen POM. 2014. *Farmakope Indonesia, Edisi Kelima*. Jakarta: Departemen Kesehatan Republik Indonesia. Halaman.
- Edmonson, R., Jessica J. B. Audrey F. A. and Liju Y. 2014. Review Article: Three-Dimensional Cell Culture Systems and Their Applications in Drug Discovery and Cell-Based Biosensors. *Assay and Drug Development Technologies*. Mary Ann Liebert Inc 12 (4):207 – 218
- Franklin, M. A549 – A Model For Non-Small Cell Lung Cancer. Diakses pada tanggal 1 Juni 2017 dari www.mibioresearch.com/knowledge-center/model-spotlight-a549-a-model-for-non-small-cell-lung-cancer/
- Fransiska, D. dan Murdinah. 2007. Prospek Produksi Agarosa dan Agar Mikrobiologi Di Indonesia. *Squalen*. 2(2): 65 – 72.
- Furia, T. 1975. *Handbook of Food Technology*. Florida: CRC Press.

- Glicksman, M. 1983. *Food Hydrocolloid Vol II*. Florida: CRC Press.
- Guiseley, K. B., Kirkpatrick, F. H., Provonchee, R.B., Dumais, M.M., Nochumson, S.1993. A Further Fractionation of Agarose. *Hydrobiologia*. 505-511.
- Hodge, J. E. 1953. Dehydrated Foods, Chemistry of Browning Reactions in Model System. *Journal of Agricultural and Food Chemistry*. 15: 928 – 43. Doi:10.1021/jf60015a004
- Ke, N., Aaron A., Gisela C., De-Hua Y., Jon E. C., Xiuyuan H., Bernd M., Flossie W.S., and Qi-Yiang L. 2004. One-week 96-well Soft Agar Growth Assay for Cancer Target Validation. *Short Technical Report:BioTechenique*. 36 (5): 826 – 833.
- Kementrian Kesehatan RI. 2015. *Info Datin: Stop Kanker*. Jakarta: Kemenkes RI.
- Kirk, O. 1994. *Encyclopedia of Chemical Technology. Fourth Edition*. New York: John Wiley & Sons.
- Langdon, P. 2004. *Cancer Cell Culture Methods and Protocols*. New Jersey: Humana Press.
- Li, X., Alejandra V. V., Peng Z. and Zhihong N. 2012. Microfluidic 3D Cell Culture: Potential Application for Tissue-Based Bioassays. *Bioanalysis*. 4(12): 1509 – 1525. doi:10.4155/bio.12.133.
- Lodish, H., Berk, A., Zipursky, S. L., Matsudaira, P., Baltimore, D., & Darnell, J. (2000). Proto-oncogenes and tumor-suppressor genes. *Molecular Cell Biology* (4th ed.). New York: W. H. Freeman.
- Mishra, D. K., Chad J. C., Yiqun Z., Don L. G., Jonathan M. K., and Min P. K. 2014. Gene Expression Profile of A549 Cell from Tissue of 4D Model Predict Poor Prognosis in Lung Cancer Patients. *Int J Cancer*. 134(4): 789 – 798. doi:10.1002/ijc.28428.
- Mosmann, T. (1983). Rapid colorimetric assay for cellular growth and survival: application to proliferation and cytotoxicity assays. *Journal of Immunological Methods*, 65(1-2), 55-63.
- Porto, S. 2003. Agar-agar: Properties and Specification. diakses pada tanggal 10 Februari 2017 dari www.agargel.com.br/agar-tec-en.html
- Purwoto, H., Gustini, S., Istini, S. 2002. Pemurnian Agarosa dari Agar-agar dengan Menggunakan Propilen Glikol. *Dasar-Dasar Teknik Kimia*.
- Provonchee, R. B. 1991. *Agarose Purification Method Using Glycol*. United States Patent No. 4.9990.611. Philadelphia: FMC Corporation.

- Renn, D. W. 1990. *Seaweed and Biotechnology Inseperable Companions*. London: Kluwer Academic Publishers.
- Rochas, C., Lahaye, M., Yaphe, W. 1986. Sulfate Content of Carrageenan and Agar Determined by Infrared Spectroscopy. *Botanica Marina*. 29: 335-340.
- Santos, G. A. 1990. *A Manual For Processing Of Agar From Gracillaria*. Manila: ASEAN/UNDP/FAO Regional Small-Scale Coastal Fisheries Development Project.
- Science Lab. Material Safety Data Sheet Ethylen glycol. Diakses pada tanggal 1 Juni 2017 dari <http://www.sciencelab.com>
- Selby, H., Wynne, W. H. 1973. *Agar in Industrial Gums*. New York: Academic Press.
- Sigma-aldrich. Agarose Selection. Diakses pada tanggal 12 Desember 2014 dari <http://www.sigmaaldrich.com/agaroseselection.html>
- Stephen & Phillips. 2006. *Food Polysaccharides and Their Applications*. New York: Taylor and Francis Group.
- Suparmi & Sahri. 2009. Mengenal Potensi Rumput Laut: Kajian Pemanfaatan Sumber Daya Rumput Laut dari Aspek Industri dan Kesehatan. *Sultan Agung*. Vol XLIV No. 118: 95 – 116.
- Syahidah, H. N. & Yuni E. H. 2017. Review Artikel: Media yang Digunakan pada Kultur Sel. *Farmaka*. 4(3): 2089 – 9157.
- Tang, Y., J. Liu, Y. Chen. 2016. Agarose Multi-Wells for Tumour Spheroid Formation and Anti Cancer Drug Test. *Microelectronic Engineering*. 158:41–45.
- USP 30 – NF 25. 2007. *United States Pharmacopeia and The National Formulary*. Rocville (MD): The United States Pharmacopeial Convention.
- Widyastuti, S. 2009. Pengolahan Agar-agar dari Alga Coklat Strain Lokal Lombok Menggunakan Dua Metode Ekstraksi. *Agroteksol*. 19 (1-2): 29 – 35.
- Xu, G., Fuqiang Y., Huayu W., Xuefeng H., Li Z., Jinming Z. 2014. In vitro Ovarian Cancer Model Based on Three Dimensional Agarose Hydrogel. *Journal of Tissue Engineering*. 5:1 – 9.
- Yaws, C.L. 1999. *Chemical Properties Handbook*. McGraw-Hill.