

## DAFTAR PUSTAKA

- Ali HA, Chughtai A, Sattar A. 2009. Synthesis of quality silica gel; Optimization of parameters. *Journal of Faculty of Engineering & Technology*.
- Alonso S. 2016. Novel Preservation Techniques for Microbial Cultures. *Novel Food Fermentation Technologies*. 7-33.
- Anonim. 2017. *Lembaran Data Keselamatan Bahan (Gel Silika dengan Indikator)*. Hlm. 1-10. <http://www.merckgroup.com/>. [5 Juni 2018]
- Balkö D, Ulutan S, Özkan FC, a, Çelebi S, Ülkü S. 1998. Dynamics of water vapor adsorption on humidity-indicating silica gel. *Applied Surface Science*. 134: 39-46.
- Bauer AW, Kirby WM, Sherris JC, and Turck M. 1966. Antibiotic susceptibility testing by a standardized single disk method. *American Journal of Clinical Pathology*. 45(4): 493-496.
- Bjerketorp JS, Hakansson S, Belkin and Jansson JK. 2006. Advances in preservation methods: keeping biosensor. *Current Opinion in Biotechnology*. 17: 1-7.
- Bowstead TT, Santiago SM. 1980. Pleuropulmonary infection due to *Corynebacterium striatum*. *British Journal of Diseases of The Chest*. 74: 198-200.
- Burkovski A. 2014. *Corynebacterium diphtheriae* and related toxigenic species. New York : Springer.
- Chattopadhyay MK. 2006. Mechanism of bacterial adaptation to low temperature. *Journal Bioscience*. 31: 157–165.
- Clark WA. 1976. *Selected bibliography of literature on preservation of microorganisms, blood, tissues, and vaccines with emphasis on freezing and freeze-drying (1968-1976)*. Atlanta : US Department of Health Education and Welfare, Center for Disease Control.
- Coyle MB, Lipsky BA. 1990. Coryneform bacteria in infectious diseases: clinical and laboratory aspects. *Clinical Microbiology Reviews*. 3: 227-246.
- Dall L, Barnes WG, Hurford D. 1989. Septicaemia in a granulocytopenic patient caused by *Corynebacterium striatum*. *Postgraduate Medical Journal*. 65: 247-248.

- David AW, Chahine A, Creger RJ, Jacobs MR, Lazarus HM. 1993. *Corynebacterium striatum*: A Diphtheroid with Pathogenic Potential. *Clinical Infectious Diseases*. 17: 21-25.
- De Vay JE and Schnathorst WC. 1963. Single-cell isolation and preservation of bacterial cultures. *Nature*. 775-777.
- Deluccia-Reinstein R. 2017. *Harmful Effects of Silica Gel*. <https://healthfully.com/harmful-effects-silica-gel-5910010.html> [5 Juni 2018]
- Freney J, Duperron MT, Courtier C, Hansen W, Allard F, Boeufgras JM, Monget D, Fleurette J. 1991. Evaluation of API Coryne in comparison with conventional methods for identifying coryneform bacteria. *Journal of Clinical Microbiology*. 29: 38-41.
- Gavin SE, Leonard RB, Briselden AM, Coyle MB. 1992. Evaluation of the rapid CORYNE identification system for *Corynebacterium* species and other coryneforms. *Journal of Clinical Microbiology*. 30: 1692-1695.
- Grivell AR and Jackson JF. 1969. Microbial Culture Preservation with Silica Gel. *Journal of General Microbiology*. 58: 423-425.
- Hartel PG. 2005. Microbial Processes. *Encyclopedia of Soils in the Environment*. 448-455.
- Jawetz E, Melnick J, Aldenberg E. 2005. Mikrobiologi Kedokteran. Jakarta : EGC.
- Jensen HL. 1961. The viability of lucerne rhizobia in soil culture. *Nature*. 682.
- Kupletskaya MB and Netrusov AI. 2011. Viability of lyophilized microorganisms after 50-year storage. *Mikrobiologiya*. 80: 842-846.
- Kusnadi, Peristiwa, Syulassmi A, Purwianingsih W, Rochintaniawati D. 2003. *Mikrobiologi*. Bandung : JICA-IMSTEP.
- Leben C and Slesman JP. 1982. Preservation of plant pathogen bacteria on silica gel. *Plant Disease*. 66: 327.
- Machmud M. 2001. Teknik Penyimpanan dan Pemeliharaan Mikroba. *Buletin AgroBio*. 4(1): 24-32.
- Markowitz SM and Coudron PE. 1990. Native valve endocarditis caused by an organism resembling *Corynebacterium striatum*. *Journal of Clinical Microbiology*. 28: 8-10.

- Marlina N. 2006. Masa Pemakaian Silika Gel Sebagai Desikan Pada Penentuan Kadar Air. *Pusat Penelitian dan Pengembangan Peternakan*. 236-238.
- McGinnis MR, Padhye AA and Ajello L. 1974. Storage of stock culture of filamentous fungi, yeast, and some aerobic actinomycetes in sterile distilled water. *Applied Microbiology*. 28: 218-222.
- Moore LW and Carlson RV. 1975. Liquid nitrogen storage of phytopathogenic bacteria. *Phytopathology*. 65: 246-250.
- Murray PR, Rosenthal KS, Pfaller MA. 2013. *Medical Microbiology 7<sup>th</sup> ed.* Philadelphia : Elsevier.
- Mussato SI, Machado EMS, Martins S, Teixeira JA. 2011. Production, Composition, and Application of Coffe and Its Industrial Residues. *Food Bioprocess Technology*. 4: 661-672.
- Mutlu BR, Hirschey K, Wackett LP, Aksan A. 2015. Long-term preservation of silica gel-encapsulated bacterial biocatalysts by desiccation. *Journal of Sol-Gel Science and Technology*. 74: 823–833.
- Najmiyati E, Akhadi DH. 2012. Viabilitas dan kinerja konsorsium mikroba pendegradasi hidrokarbon setelah penyimpanan dalam pendingin dan penyimpanan beku. *Ecolab*. 6(2): 61-104.
- National Park Service. 2005. Cobalt Indicating Silica Gel Health and Safety Update. *Conserve O Gram 2/15*, 1-3.
- Niederstebruch N, Sixt D, Benda BI, Banboye N. 2017. A suitable blood agar containing human blood especially for the use in laboratories of developing countries. *The Journal of Infection in Developing Countries*. 11(5): 399-406.
- Norris DO. 1963. A porcelain bead. method for storing Rhizobium. *Empire Journal of Experimental Agriculture*. 31: 255-258.
- Özogul F, Gökbulut C, Özogul Y, Özyurt G. 2005. Biogenic amine production and nucleotide ratios in gutted wild sea bass (*Dicentrarchus labrax*) stored in ice, wrapped in aluminium foil and wrapped in cling film at 4°C. *Food Chemistry*. 98: 76-84.
- Pallerla SR, Knebel S, Polen T, Klauth P, Hollender J, Wendisch VF, Schoberth SM. 2004. Formation of volutin granules in *Corynebacterium glutamicum*. *FEMS Microbiology Letters*. 243: 133-140.
- Pavani P, Rjeswari TR. 2014. Impact of plastics on environmental pollution. *Journal of Chemical and Pharmaceutical Sciences*. 3: 87-93.

- Pelczar MJ, Chan ECS. 2008. Dasar-dasar Mikrobiologi. Jakarta : UI Press.
- Pell CL, Williams MJ, Dunne EM, Porter BD, Satzke C. 2013. Silica dessicant packets for storage and transport of *Streptococcus pneumoniae* and other clinical relevant species. *PLOS ONE*. 8(8).
- Putranto RH, Sariadji K, Sunarno, Roselinda. 2014. *Corynebacterium diphtheriae: Diagnosis Laboratorium Bakteriologi*. Jakarta : Yayasan Pustaka Obor Indonesia.
- Renom F, Gomila M, Garau M, Gallegos MdC, Guerrero D, Lalucat J, Soriano JB. 2014. Respiratory infection by *Corynebacterium striatum*: epidemiological and clinical determinants. *New Microbe and New Infections*. 2: 106-114.
- Rubinfeld RS, Cohen EJ, Arentsen JJ, Laibson PR. 1989. Diphtheroids as ocular pathogens. *American Journal of Ophthalmology*. 108: 251-254.
- Skerman VBD. 1977. *The organization of a small general culture collection*. In Proceedings of the Second International Conference on Culture Collections-II, July 15-20, 1973, Sao Paulo, Brazil. Pestana de Castro, A.F., E.J. Da Silva, V.B.D. Skerman, and W.W. Leveritt (Eds.). pp. 20-40. Bowen Hills, Queensland, Australia : Courier-Mail.
- Stanley SO dan Rose AH. 1967. On the Clumping of *Corynebacterium xerosis* as Affected by Temperature. *Journal of general Microbiology*. 48: 9-23.
- Sugiawan W. 2000. Teknik Pengawetan Bakteri, Khamir dan Kapang dengan Metode Pengering-bekuan (*Freeze Drying*). Temu Teknis Fungsional non Peneliti. 29-39.
- Sulastris S dan Kristianingrum S. 2010. Berbagai macam senyawa silika: sintesis, karakterisasi dan pemanfaatan. *Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, Fakultas MIPA, Universitas Negeri Yogyakarta*. 211-216.
- Sunarno dan Sariadji K. 2017. Teknik Penyimpanan dan Prospek Transportasi Isolat *Corynebacterium diphtheriae* menggunakan *Silica Gel*. *Jurnal Biotek Medisiana Indonesia*. 6(2): 143-151.
- Susilawati L, Purnomo ES. 2016. Viabilitas Sel Bakteri Dengan *Cryoprotectant Agents* Berbeda (Sebagai Acuan Dalam Preservasi *Culture Collection* di Laboratorium Mikrobiologi). *Biogenesis*. 4(1): 34-40.
- Thatcher RC and Weaver TL. 1974. Simplified method for the preparation of silica gel media. *Applied Microbiology*. 28(5): 887-888.

- Vincent JM. 1970. *A manual for practical study of root-nodule bacteria*. IBP Handbook No. 15. Oxford : Blackwell Science. Publ.
- Wang D, Zhang J, Yang Q, Li N, Sumathy K. 2014. Study of adsorption characteristic in silica gel-water adsorption refrigeration. *Applied Energy*. 113: 734-741.
- Windels CE, Burnes PM, Kommedahl T. 1988. Five-Year Preservation of *Fusarium* Species on Silica Gel and Soil. *Phytopathology*. 78: 107-109.
- Yunita M, Hendrawan Y, Yulianingsih R. 2015. Analisis Kuantitatif Mikrobiologi Pada Makanan Penerbangan (Aerofood ACS) Garuda Indonesia Berdasarkan TPC (*Total Plate Count*) Dengan Metode *Pour Plate*. 3(3): 237-248.