

## DAFTAR PUSTAKA

- Alvarado, M. R. 2008. **Principles of Protein Misfolding**, Elsevier Scientific Publishing Company, 84. Minnesota
- Ana, Elguezabal, Amutio, Larrinoa, Moragues and Ponton, 2008, **Use of Recombinant Antigens for the Diagnosis of Invasive Candidiasis**, J. Clinical and Developmental Immunology, 2008: 1-7, Spain
- Andes, D., dan J. Nett. 2006. **Candida albicans biofilm development, modeling a host-pathogen interaction**. Elsevier Scientific Publishing Company. 9: 1-6, Madison
- Ballal M dan Vinitha M, 2007. **Biofilm as virulence Marker in Candida isolated from Blood**, World Journal of Medical Sciences, 2 (1): 46-48
- Baliga S, Shenoy S dan Dominic RM, 2007, **Candida biofilms in medical devices: Evolving trends**, Kathmandu University Medical Journal, 5 (3): 431-436
- Bhavan S, Kannan S, Rajkumar R, Seenivasan C dan Radhakrishnan S, 2010, **Culture and Identification of Candida albicans from Vaginal Ulcer and Separation of Enolase on SDS-PAGE**, International Journal of Biology, 2 (1):84-93
- Biswas, K., Rieger, K.J., Morschhauser, J., 2003, **Functional characterization of CaCBF1, the Candida albicans homolog of centromere binding factor 1**. Gene. 323:43-55.
- Boyer R, 1993, **Modern Experimental Biochemistry**, second edition, Redwood City, California
- Casanova M dan Chaffin L, 1990, **Phosphate Containing Protein and Glycoproteins of the Cell Wall of Candida albicans**, Infection and Immunity, 59 (3): 808-813.
- Chauhan, N., Latge, J.P., Calderone, R., 2006. **Signalling and oxidant adaptation in Candida albicans and Aspergillus fumigatus**. 4: 435-444. Nat Rev Microbiol.
- Chaffin L, dan Cassanova M, 1991, **Cell wall glycoproteins of Candida albicans as released by different methods**, Journal of General Microbiology, 137: 1045-1051.
- Chaffin L, 2008, **Candida albicans Cell Wall Proteins**, Microbiology and Molecular Biology Reviews, 72 (3):495-544

- Datta A, Dijck P, and Biswas S, 2007, **Environmental Sensing and Signal Transduction Pathways Regulating Morphopathogenic Determinants of *Candida albicans***, *Microbiology and Molecular Biology Reviews*, 71(2): 348-376
- De Groot , ten Cate, J.M. dan Kliss, F. M., 2009. **Molekular and Celular Mechanisms that Lead to *Candida* Biofilm Formation.** *J Dent Res*, 88 (2): 105-115, Swammerdam Institute for Life Sciencea, University of Amsterdam, Amsterdam
- Dongari A., Kashieva H., 2009, **Characterization of Mucosal *Candida albicans* Biofilm**, 4. University of Connecticut, United Stated of America
- Dominic RM, Shenoy S, dan Baliga, 2007, ***Candida* biofilm in medical devices: Envolving trends**, *Kathmandu University Medical Journal*, 5 (3): 431-436, India
- Douglas, J. L dan M.A. Al Fatani. 2004. **Penetration of *Candida* biofilms by Antifungal Agents**, *American Society for in Microbiology*. 48, Glasgow
- Douglas, J. L. 2003. ***Candida* biofilms and their role in Infection**, TRENDS in Microbiology. Glasgow
- Douglas, L. J. 2000. **Matrix polymers of *Candida* biofilms and their possible role in biofilm resistance to antifungal agents.** *Journal of Antimicrobial Chemotherapy*, 46., University of Glasgow
- Douglas, L. J. 2002. **Medical importance of biofilms in *Candida* infections.** *Rev Iberoam Micol*. Glasgow
- Douglas, L. J. dan M. A. Al-Fattani. 2004, **Penetration of Candida Biofilm by Antifungal Agents**, *J. Antimicrobial Agents and Chemotherapy*, 48 (9): 3291-3297, Glasgow
- Douglas, L. J. dan M. A. Al-Fattani. 2006. **Biofilm matrix of *Candida albicans* and *Candida tropicalis*: chemical composition and role in drug resistance.** *Journal of Medical Microbiology*. Glasgow
- Doorslaer V, 2009, **Biofilm Formation by Nosocomial *Candida Albicans* Isolates of Vaginal Origin and Their Genotypical Characterization by SSCP**, Universita Degli Studi Del Piemonte Prinentale (Novara,Italy)
- Edmond, M. B., Wallace, S. E., McClish, D. K., Pfaller, M. A., Jones, R. N.dan Wenzel, R. P. , 1999, **Nosocomial bloodstream infections in United States hospitals: A three-year analysis.** 29: 239-244.*Clin Infect Dis*
- Ells R, 2008, **The effect of Arachidonic acid on lipid metabolism and biofilm formation of two closely related *Candida* species**, Thesis, Deparment of Microbial, Bio chemical and food Biotechnology Faculty of Natural and

Agricultural Sciences, University of the Free State Bloemfontein, South Africa

Friedrich, J. A. 2000. **A healthy inner ecology is the best defense against a fast-growing fungus.** In *Is Candida Yeast Harming Your Health?*. Healthwell

Ghanoum, Chandra, Kuhn, Mukherjee, Hoyer dan McCormick, 2001, **Biofilm Formation by the Fungal Pathogen Candida albicans: Development, Architecture, and Drug Resistance**, *Journal of Bacteriology*, 183 (18):5385-5394

Ghannoum, 2005. **Modification of Surface Properties of Biomaterials Influences the Ability of *Candida albicans* To Form Biofilms**, *Applied and Environmental Microbiology*. 71, Ohio

Ghannoum M, Lattif A, Chang J, Liu S, Zhou G, Chnce M, dan Murkherjee P, 2008, **Proteomics and Pathway Mapping Analyses Reveal Phase Dependent Over Expression of Protein Associated with Carbohydrate Metabolic Pathways in *Candida albicans* Biofilms**, *The open Proteomics Journal*, 1 : 5-26

Gilmore M dan Behlau I, 2008, **Microbial Biofilms in Ophthalmology and Infectious Disease**, *Arch Ophthalmol*, 126 (11): 1572-1581, Harvard Medical School, Boston, Masschussetts

Gimeno, 2008, **Estudio de CaCwt 1 de *Candida albicans* homologo al factor de transcription Rds2De S. Cereviseae**, Dissertation, Departamento de microbiologia, Unnwersitat de Valancia, Spain

Herrera J, Elorza M, Valentín E, dan Setandreu, 2005, **Molecular organization of the cell wall of *Candida albicans* and its relation to pathogenicity**, Federation of European Microbiological Societies, 6: 14-29, Spain

Hollung, K., E. Veiseth, X. Jia, E. M. Vergestad, dan K. I. Hildrum. 2007. **Application of proteomics to understand the molecular mechanisms behind meat quality**. Elsevier Scientific Publishing Company. Norway

Hoyer I, Yeater K, Chandra J, Cheng G, Mukherjee P, Zhao X, Zas S, Kwast K, Ghanoum M, 2007. **Temporal analysis of *Candida albicans* gene expression during biofilm development**, *Journal of Microbiology*, 153: 2373-2385., Urbana, USA

Kapteyn, J.C., Hoyer, L.L., Hecht, J.E., Muller, W.H., Andel, A. Verkleij, A.J., Makarow, M., Van Den Ende, H., Klis, F.M. , 2000, **The cell wall architecture of *Candida albicans* wild-type cells and cell wall-defective mutants**. *Mol Microbiol*. 35: 601-11.

- Katz, J. E., P. Mallick, dan D. B. Agus. 2005. **A perspective on protein profiling of blood.** BJU International. Los Angeles
- Khairul A, 2009, **SDS PAGE Dengan Silver Staining dan Zymogram,** Bioteknologi Sekolah Pascasarjana, IPB
- Klis, F.M., de Groot, P., Hellingwerf, K., 2001, **Molecular organization of the cell wall of *Candida albicans*.** *Med Mycol.* 39: 1-8.
- Kliss, F. M., dan K. J. Verstrepen. 2006. **Flocculation, adhesion and biofilm formation in yeasts.** *Molecular Microbiology.* 60 (1): 5-15, Amsterdam
- Kliss, F. M., G. J. Sosinska, P. W. J. de Groot, dan S. Brul. 2009. **Covalently linked cell wall proteins of *Candida albicans* and their role in fitness and virulence,** *Yeasts Research, 2009:* 1-6, Federation of European Microbiological Societies Published by Blackwell Publishing. Amsterdam
- Kogan M.D., 2009, **Prevalence of Parent Reported Diagnosis of Autism Spectrum disorder among Children in the US.** *Official Journal of the American academy of Pediatrics, 124*
- Kollar, R., Reinhold, B.B., Petrakova, E., Yeh, H.J., Ashwell, G., Drgonova, J., Kapteyn, J.C., Klis, F.M., Cabib, E. 1997. **Architecture of the yeast cell wall. Beta(1,6)-glucan interconnects mannoprotein, beta(1,3)-glucan, and chitin.** *J Biol Chem.* 272:17762-17775.
- Kozik dan A. Kozik, Justyna K. 2009. **Fungi pathogenic to humans: molecular bases of virulence of *Candida albicans*, *Cryptococcus neoformans* and *Aspergillus fumigatus*,** *Acta Biochimica Polonica, 56:* 211-224.. Krakaw
- Kusumaningtyas, E. Tanpa tahun. **Mekanisme Infeksi *Candida albicans* pada Permukaan Sel.** Lokakarya Nasional Penyakit Zoonosis. Bogor
- Laemli, U.K., 1970, **Cleavage of Structural Protein during the Assembly of the Head of Bacteriophage T4,** *Nature* 227:680-685. In Bollag. D.M., M.D. Rozycki, S.J. Edelstein, 1996, **Protein Method, Second Edition,** wiley Liss, New York.
- Laula, P. D., S. Koesdarto dan M. G. Atik. 2007. **Karakterisasi protein excretory secretory larva stadium kedua *dorman* terhadap antibody anti-larva stadium kedua *Toxocara canis* dengan teknik Western blot.** Fakultas Kedokteran Hewan Universitas Airlangga. Surabaya
- Luczyk R, Luczyk M, Dmoszynska A, dan Stanislawek A. 2008, **The ability of creating biofilm by the Candida species fungi and their participation in infections in patients with lowered resistance,** XXI, N1, 74: 393-403. Annales Universitatis Marie Curie- Sklodowska Lublin-Polonia.
- Magdalena, 2009, ***Candida albicans*,** Departemen Mikrobiologi fakultas Kedokteran USU

- Martinez J, Gil M, Ribot J, Chaffin L, 1998. Serologic Response to cell wallmannoprotein and protein *Candida albicans*, *Clinical Microbiology Reviews*, 11 (1): 121-141, Texas
- Mio, T., Yamada-Okabe, T., Yabe, T., Nakajima, T., Arisawa, M., Yamada-Okabe, H., 1997b. Isolation of the *Candida albicans* homologs of *Saccharomyces cerevisiae* KRE6 and SKN1: expression and physiological function. *J Bacteriol.* 179: 2363-2372.
- Mitchell, A. P., M. L. Richard, C. L. Nobile, dan V. M. Bruno. 2005. *Candida albicans Biofilm-Defective Mutants*, American Society for Microbiology. 4, New York
- Molero *et al.* 1998. *Candida albicans: genetics, dimorphism and pathogenicity*, *International Microbiol* 1: 95-106. Madrid
- Moir R D., 2010, **The Alzheimer's Disease-Associated Amyloid  $\beta$ -Protein Is an Antimicrobial Peptide**, Mental Health Research Institute of Victoria, Australia
- Mravec, B. dan L. M. Epp. 2006. **Chronic polysystemic candidiasis as a possible contributor to onset of idiopathic Parkinson's disease**. Bratisl Lek Listy. Slovakia
- Munir E, 2004, **Isositrat Liase sebagai Target Perancangan Obat**, *Media Farmasi*, 12(1): 13-21
- Mukherjee, P. K., dan J. Chandra. 2004. *Candida biofilm resistance*. Elsevier Scientific Publishing Company. Cleveland
- Naglik, J. R., S. J. Challacombe, dan B. Hube. 2003. *Candida albicans Secreted Aspartyl Proteinases in Virulence and Pathogenesis*, vol. 67. American Society for Microbiology. Berlin
- Neilands, J. 2007. **Acid Tolerance of Streptococcus Mutans Biofilms**. Malmö University. Malmö
- Nett J, Andes D, Lincoln L, Marchillo, Massey R, Holoyda K, Hoff B and Handel M., 2007. **Putative Role of  $\beta$ -1,3 Glucans in Candida albicans Biofilm Resistance**. *J Antimicrobial Agents and Chemotherapy*, 51 (2): 510-520
- Odds, F.C. , 1994, *Candida species and virulence*. *Am. Soc. Microbiol. News.* 60: 313-318.
- Oh-Ishi, M., dan T. Maeda. 2006. **Disease proteomics of high-molecular-mass proteins by two-dimensional gel electrophoresis with agarose gels in the first dimension (Agarose 2-DE)**. Elsevier Scientific Publishing Company. Kanagawa

- Oliveira R, Azeredo J, and Henriques, 2005, *Candida albicans* and *Candida dubliniensis*: Comparison of biofilm formation in terms of biomass and activity, Original Article, p: 5-11, Centro de Engenharia Biologica-CEB, Umversidade do Mintro, Biaga, Portugal
- Osumi, M. , 1998, The ultrastructure of yeast: cell wall structure and formation. *Micron* vol.29: 207-233.
- Pitarch. A, Jimenez, dan C. Nombela. 2006. Decoding Serological Response to *Candida* Cell Wall Immunome into Novel Diagnostic, Prognostic, and Therapeutic Candidates for Systemic Candidiasis by Proteomic and Bioinformatic Analysis. *J.Molecular and Cellular Proteomics*, 5: 79-96, The American Society for Biochemistry and Molecular Biology. Salamanca
- Ramage G, Saville, Thomas D dan Ribot J, 2005, *Candida* Biofilms: an Update, *Review Eukaryotic Cell*, 4 (4): 633-638, Texas
- Rashki, A. 2009. Transcriptional analysis of the histone acetylation and deacetylation in *Candida albicans*. Thesis, University of Salamanca. Spanyol
- Ribot L, J. P., W. L. Chaffin , J. P. Martinez, C. Monteagudo, H. M. Alloush, dan N. V. Mattioli. 1999. Evidence for the presence of complex carbohydrates in *Candida albicans* cell wall glycoproteins, 16: 23-26. Rev Iberoam Micol. Texas
- Ribot L, J.P., P. Uppuluri, J R. Kohler, D. Kadosh, A.K. Chaturved, 2010, Dispersion as an Important Step in the *Candida albicans* Biofilm Developmental Cycle, Division of Infection Diseasea, Children's Hospital Boston, Massachusetts, USA
- Ribot, J. P., G. Ramage, K. V. Walle, dan B. L. Wiskes. 2001. Characteristics of biofilm formation by *Candida albicans*. Rev Iberoam Micol. Texas
- Riskillah, A. G. 2010. *Candida albicans*. Doktor files. Riau
- Roberto, 2000. Biofilm formation as Microbial Development, 54, Departement of Microbiology and Molecular Genetic, Havard Medical School, Boston, Massachusetts
- Ruiz-Sanchez, D., Calderon-Romero, L., Sanchez-Vega, J. T. & Tay, J., 2002, Intestinal candidiasis. A clinical report and comments about this opportunistic pathology. 156: 9-11. *Mycopathologia*
- Sears T, Tyler B, and Wesenberg K, 2005. Adhesion and Biofilm formation of *Candida albicans* on native and pluronic- treated polystyrene, *Biofilm*, 2: 63-71 ,Departement of chemical Enginering Montana State University-Bozeman, MT 59717, USA

- Sellam A, Niemi T, McInerney K, Brumfield S, Nantel A, and Suci P, 2009, A ***Candida albicans* early stage biofilm detachment event in rich medium**, *BMC Microbiology*, **9**(25): 1-22, Montana State University, Bozeman, USA
- Stopforth E, 2009, **Proteomic analysis of the humoral antifungal immune response of the soft tick, Ornithodoros savignyi Audouin (1827)**, Faculty of Natural and Agricultural Sciences, University of Pretoria.
- Tanzi, 2010. **The Alzheimer's Disease-Associated Amyloid b-Protein Is an Antimicrobial Peptide**. Plos One. Victoria
- Tjampakasari C.R, 2006. **Karakteristik *Candida albicans***. Cermin dunia kedokteran. **151**:33-36, Mikrobiologi FK UI, Jakarta
- Tortorano, A.M., Peman, J., Bernhardt, H., Klingspor, L., Kibbler, C.C., Faure, O., Biraghi, E., Canton, E., Zimmermann, K., Seaton, S., Grillot, R.; **ECMM Working Group on Candidaemia, 2004, Epidemiology of candidaemia in Europe: results of 28-month European Confederation of Medical Mycology (ECMM) hospital-based surveillance study**. *Eur J Clin Microbiol Infect Dis*, **23**: 317-322,
- Truss, C. O. 1981. **The Role of *Candida albicans* in Human Illness**. Huxley Institute Symposium. Alabama
- Tsang C, Chu F, Leung W, Jin L, Samaranayake and Siu S., 2007, **Phospholipase, proteinase and haemolytic activities of *Candida albicans* isolated from oral cavities of patients with type 2 diabetes mellitus**, *Journal of Medical Microbiology*, **56**: 1393-1398,Hong Kong SAR, China
- Winter C. dan Juckel G., 2006, **Paranoid Schizophrenia and Idiopathic Parkinsons disease do coexist a challenge for clinicians**, journal *Psychiatry and clinical neurosciences*.
- Xiaogang, L., Zhun, Y. dan Jianping, X., 2003. **Quantitative variation of biofilms among strains in natural populations of *Candida albicans***, *149*: 353-362. *Microbiology*
- Zahra R. G., 2009, **Global transcriptional responses of *Candida albicans* to histone acetyltransferases deletion**, thesis, Department of Microbiology and Genetic, University of Salamanca