

## DAFTAR PUSTAKA

- Akram M, Rehman RU, Akhtar N, Shah PA, Saeed T, Jabeen Q, et al.. 2011. *Bacillary dysenteriae: a review.* *J. Med. Plant. Res.*, 5 (19): 4704-4708.
- Anam K, 2012. *Identifikasi Protein Hemagglutinin Sub-unit Pili 49,8 kDa dan Anti Hemagglutinin 7,9 kDa serta Uji Respon Imun Reaksi Silang Shigella spp.* Thesis. Program Pasca Sarjana Program Studi Magister Ilmu Biomedik Fakultas Kedokteran Universitas Brawijaya, Malang.
- Blanco M, Blanco JE, Dahbi G, Alonso MP, Mora A, María A. Coira, et al.. 2006 Identification of two new intimin types in atypical enteropathogenic *Escherichia coli*. *International Microbiology*, 9: 103-110 .
- Blocker A, Komoriya K, and Shin-Ichi Aizawa. 2003. Type III Secretion System and Bacterial Flagella: insight to their function from structural similarities. *PNAS*, 100 (6): 3027-3030.
- EHara M, M. Ishibashi, Y. Ichinose, M. Igawa, S. Shimotori, and T. Naito. 1983. Purification and Partial Characterization of fimbriae of *Vibrio cholerae* O1. *Vaccine*, 5 (4): 283-8.
- Faiz O and Moffat D. 2002. *Anatomy at a Glance*. Blackwell Science Ltd., hal. 35.
- Fitriana L. 2012. *Klarifikasi Protein Hemagglutinin Pili Shigella sonnei BM 49,8 Kda Sebagai Molekul Adhesi dengan Metode Uji Hambat Adhesi pada Enterosit Mencit*. Skripsi. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Food and Drugs Association (FDA). Bad Bug Book: Foodborne Pathogenic Microorganisms and Natural Toxins Handbook. (<http://www.fda.gov/food/foodsafety/foodborneillness/foodborneillnessfoodbornepathogensnaturaltoxins/badbugbook/ucm070563.htm>, diakses 2011)
- Fukushima M, Kakinuma K, dan Kawaguchi R. 2002. Phylogenetic Analysis of *Shigella*, *Slamonella*, and *Escherichia coli* Strains on the Basis of *gyrB* Gene Sequence. *J. Clin. Microbiol*, 40 (8): 2779-2785.
- Ghosh S, Chakrabortya K, Nagarajaa T, Basakk S, Koley H, Dutta S, et al.. 2011. An adhesion protein of *Salmonella enterica* serovar Typhi is required for pathogenesis and potential target for vaccine development. *PNAS*, 108 (8): 3348–3353.



- Gorden J and Small PLC. 1993. Acid Resistance in Enteric Bacteria. *Infection and Immunity*, 61: 364-367.
- Hromockyj AE dan Maurelli AT. 1989. Identification of an *Escherichia coli* Gene Homologous to *virR*, a Regulator of *Shigella* Virulence. *J. Bacteriol.*, 171 (5): 2879-2881.
- Islam S, Yanuhar U, Santoso S, Winarsih S, Prabowo A, Catchesi D, et al.. 2011. Detection of molecule adhesion pili 48 kDa of *Salmonella typhi* by immunochemistry using sera patients suffering from typhoid fever. (Abstrak).
- Ingersoll MA and Zychlinsky Arturo. 2006. *ShiA* Abrogates the Innate T-Cell Response to *Shigella flexneri* Infection. *Infection and Immunity*, 74 (4): 2317-2327.
- Janeway CA Jr., Travers P, Walport M, Shlomchik MJ. 2001. *Immunobiology, 5th Edition*. Garland Science, New York.
- Jennison VA and Verma NK. 2007. The Acid Resistance Pathways of *Shigella flexneri* 2457T. *Microbiology*, 153: 2593-2602.
- Joyann KA. 2011. Shigellosis. (<http://emedicine.medscape.com/article/182767-overview#a0104>, diakses 2011).
- King D. 2004. Histology. (<http://www.siumed.edu/~dking2/erg/smallint.htm>, diakses 2013).
- Lin J, Lee IS, Frey J, Slonczewski JL, and Foster JW. 1995. Comparative Analysis of Extreme Acid Survival in *Salmonella typhimurium*, *Shigella flexneri*, and *Escherichia coli*. *Journal of Bacteriology*, 4097-4104.
- MedlinePlus. 2012. Stomach Acid Test. (<http://www.nlm.nih.gov/medlineplus/ency/article/003883.htm>, diakses 2013).
- Mufida DC , Bumi C, dan Fatmawati H. 2009. Peran Protein Membran Luar 55 kDa *Salmonella Typhi* Isolat Jember Sebagai Protein Hemagglutinin dan Adhesin. *Berk. Penel. Hayati*, 15: 11-16.
- Mukhopadhyay A, Mahalanabis, Chakrabarti MK. 2006. Role of *Shigella flexneri* 2a 34 kDa Outer Membrane Protein Induction of Protective Immune Response. *Vaccine*, 24 (33-34): 6028-6036.
- National Center for Emerging and Zoonotic Infectious Disease (NCEZID), Center for Disease Control and Prevention (CDC). 2009. *Shigellosis*. (<http://www.cdc.gov/hczved/divisions/dfbmd/diseases/shigellosis/#what>, diakses 2011).



- NHS (National Health Service). 2011. *UK Standard for Microbiology Investigation, Identification of Shigella Species*. Standard Units, Microbiology Services Division Health Protection Agency, United Kingdom.
- Niyogi SK. *Shigellosis. The Journal of Microbiology*, 2005, 43 (2): 133-143.
- Noorhamdani. 2004. Aktivitas Hemagglutinasi Bakteri *Acinetobacter baumanii* yang Berasal dari Spesimen Klinik dan Lingkungan. *Jurnal Kedokteran Brawijaya*, 20 (2): 105-109.
- Phalipon A and Sansonetti PJ. 2007. *Shigella's ways of Manipulating the Host Intestinal Innate and Adaptive Immune System: a toolbox for survival?*. *Immunology and Cell Biology*, 1-11.
- Pore D, Chowdhury P, Mahata N, Pal A, Yamasaki S, Mahalanabis D, et al.. 2009. Purification and Characterization of an Immunogenic Outer Membrane Protein of *Shigella flexneri* 2a. (*Abstract*). *Vaccine*, 27 (42): 5855-5864.
- Pore D, Mahata N, Pal A, Chakrabarti MK. 2011. Outer Membrane Protein A (OmpA) of *Shigella flexneri* 2a. Induces Protective Immune response in a Mouse Model. *PLoS ONE*, 6 (7): e2263.
- Pore D, Mahata N, Chakrabarti MK. 2012. Outer Membrane Protein A (OmpA) of *Shigella flexneri* 2a links innate and adaptive immunity in a TLR2 Dependent Manner and with The Involvement of IL-12 and Nitric Oxide. *JBC Paper in Press*, M111.335554: 1-24.
- Prabowo AS. 2011. *Partial Characterization of Adhesins Pili on Shigella dysenteria*. Thesis. Tidak diterbitkan, Fakultas Kedokteran Universitas Brawijaya, Malang.
- Qadri F, Haque A, Faruque SM, Bettelheim KA, Robins-Brown R, Albert MJ. 1994. Hemagglutinating properties of enteroaggregative *Escherichia coli*. *Journal of Clinical Microbiology*, 32: 510-514.
- Reis RZ dan Fabiana Horn. 2010. Enteropathogenic *Escherichia coli*, *Salmonella*, *Shigella* and *Yersinia*: cellular aspects of host-bacteria interactions in enteric diseases. *Gut Pathogens*, 2010, 2 (8): 1-12.
- Sansonetti P. 2002. Host-pathogen Interactions: The Seduction of Molecular Cross Talk. *Gut*, 50 (Suppl III): iii2-iii8.
- Santoso S, Winarsih S, dan Sumarno. 1999. Protein Hemagglutinin 36 kDa OMP *Salmonella typhi*. Abstrak. *Jurnal Kedokteran Brawijaya*, 15 (3): 87-93.

- Santoso S, Yanuhar U, Islam S, dan Sumarno. 2012. Detection of molecule adhesion sub-unit pili 48 kDa *Salmonella typhi* by immunochemistry method using sera patients suffering from typhoid fever. *J. Basic. Appl. Sci. Res.*, 2 (9): 8527-8532.
- Schulz GE. 2002. The Structure of Bacterial Outer Membrane Proteins. *Biochimia et Biophysica acta*, 1565: 308-317.
- Seidlein LV, Kim DR, Ali M, Lee H, Wang XY, Tiem VD, et al.. 2009. A Multicentre Study of *Shigella* Diarrhoea in Six Asian Countries: Disease Burden, Clinical Manifestations, and Microbiology. *PLoS Med*, 3 (9): 1556-1569.
- Slomianka L. 2009. *Blue Histology*. (<http://www.lab.anhb.uwa.edu.au/mb140/corepages/Lymphoid2/lymph2.htm>, diakses 2013)
- Statistics Indonesia (Badan Pusat Statistik - BPS) and Macro International. 2008. *Indonesia Demographic and Health Survey (IDHS) 2007*. Statistic Indonesia, Jakarta, Indonesia and Macro International, Calverton, Maryland, USA.
- Stewart I. 2006. *Histology Practical*. ([http://homepages.abdn.ac.uk/i.e.brown/pages/HistoPrac\\_01.html](http://homepages.abdn.ac.uk/i.e.brown/pages/HistoPrac_01.html), diakses 2013)
- Sudhana IW, Suwitra K, dan Sumarno. 2009. Characteristic of Pili Hemagglutinin Protein and its Role in The Pathogenesis of Urinary Tract Infection with Uropathogenic *Escherichia coli*. *Indonesian Journal of Biomedical Science*, 2 (3).
- Sumarno. 2000. *Karakterisasi Molekuler Protein Adesi Vibrio cholerae O1 M094V dan Protein Reseptornya pada Sel Epitel Usus Halus Tikus Putih (Wistar): Studi Patogenesis Vibrio Cholerae O1 M094V*. Disertasi. Tidak diterbitkan, Universitas Airlangga, Surabaya.
- Sureshbabu J. 2010. *Shigella Infection*. (<http://emedicine.medscape.com/article/968773-overview>, diakses 2011).
- Todar K. 2011. *Online Text Book of Bacteriology, Shigella and Shigellosis*. (<http://www.textbookofbacteriology.net/Shigella.html>, diakses 2011).
- Torres AG. 2004. Current aspects of *Shigella* pathogenesis. *Rev Latinoam Microbiol*, 46 (3-4): 89-97.
- Thompson JF. 2013. General Digestive Histology. ([http://apbrwww5.apsu.edu/thompsonj/Anatomy%20&%20Physiology/2020/2020%20Exam%20Reviews/Exam%203/rev\\_03-JFT.htm](http://apbrwww5.apsu.edu/thompsonj/Anatomy%20&%20Physiology/2020/2020%20Exam%20Reviews/Exam%203/rev_03-JFT.htm), diakses 2013)

- Usman AD, Arzai AH, and Sulaiman SK. 2008. The Genetic and Molecular Basis of Bacterial Invasion of Epithelial Cells – A Review. *Bajopas*, 1 (1): 25-28.
- Winarsih S, Sumarno, dan Roektiningsih. 1998. Kajian Fungsi dan Sifat Imunogenitas Protein Hemagglutinin 32 kDa dan 20 kDa pada *Helicobacter pylori*. *Majalah Kedokteran Universitas Brawijaya*.
- WHO. 2005. Shigellosis: disease burden, epidemiology and case management. *WHO: The Weekly Epidemiological Record (WER)*, 80 (11): 93-100.
- WHO. 2009. Initiative for Vaccine Research. ([http://www.who.int/vaccine\\_research/diseases/diarrhoeal/en/index6.html](http://www.who.int/vaccine_research/diseases/diarrhoeal/en/index6.html), diakses 2011)
- WHO. 2010. *WHO Global Foodborne Infections Network, Laboratory Protocol: "Biochemical Identification of Salmonella and Shigella Using an Abbreviated Panel of Tests"*. Centers for Disease Control and Prevention , USA.
- Yamamoto T, Wakisaka N, Nakae T, Kamano T, Serichantalergs O, dan Echeverria P. 1996. Characterzation of a Novel Hemagglutinin of Diarrhea-Associated *Escherichia coli* That Has a Characteristic of Diffusely Adhering *E. coli* and Enteroinvasive *E. coli*. *Infection and Immunity*, 64 (9): 3694-3702.

