

## DAFTAR PUSTAKA

- Akan, Z., Turkmen, M., Cakir, T., Reyhanchan, I. A., Colak, U., Okka, M., dan Kiziltas, S., 2015, Modification of the radial beam port of ITU TRIGA MARK II research reactor for BNCT applications, *Appl. Radiat. Isotopes*, 99, 110-116.
- Arrozaqi, M. I. M., 2013, Perancangan Kolimator di Beam Port Tembus Reaktor Kartini untuk Boron Neutron Capture Therapy, *Skripsi*, Fakultas Teknik/ Jurusan Teknik Fisika, Universitas Gadjah Mada, Yogyakarta.
- Auterinen, I., Kotiluoto, P., Hippelainen, E., Kortensniemi, M., Seppala, T., Seren, T., Mannila, V., Poyry, P., Kankaanranta, L., Collan, J., Kouri, M., Joensuu, H., dan Savolainen, S., 2004, Design and construction of shoulder recesses into the beam aperture shields for improved patient positioning at the FiR 1 BNCT facility, *Appl. Radiat. Isotopes*, 61(5), 799-803.
- Dastjerdi, m., H., C. dan Khalafi, H., 2015, Design of a thermal neutron beam for a new neutron imaging facility at Tehran research reactor, 69, 92-95.
- Dastjerdi, M., H., C., Khalafi, H., Kasesaz, Y., Mirvakili, S., M., Emami, J., Ghods, H., dan Ezzati, A., 2016, Design, construction and characterization of a new neutron beam for neutron radiography at the Tehran research reactor, *Nucl. Instrum. Meth. A*, 818, 1-8.
- Herero, E. P. dan Medarde, A. F., 2015, Advanced targeted therapies in cancer: Drug nanocarriers, the future of chemotherapy, *Eur. J. Pharm. Biopharm.*, 93, 52-79.
- Hiraga, F., 2015, Optimum design and criticality safety of a beam-shaping assembly with an accelerator-driven subcritical neutron multiplier for boron neutron capture therapies, *Appl. Radiat. Isotopes*, 106, 84-87.
- <http://asm.matweb.com/search/SpecificMaterial.asp?bassnum=MA7075T6>, diakses pada 11 juli 2016, 11:57
- <http://physics.nist.gov/cgi-bin/Star/compos.pl?matno=261>, diakses pada 24 Juli 2016, 08:39
- [http://www.hmwire.com/New%20PDFs/Aluminum\\_1350\\_Information.pdf](http://www.hmwire.com/New%20PDFs/Aluminum_1350_Information.pdf), diakses pada 11 juli 2016, 11:54
- IAEA tim, 2001, *Current status of neutron capture therapy*, IAEA, Vienna.
- Kasesaz, Y., Khalafi, H., Rahmani, F., 2014a, Design of an epithermal neutron beam for BNCT in thermal coloumn of Tehran research reactor, *Ann. Nucl. Energy*, 68, 234-238.
- Kasesaz, Y., Khalafi, H., Rahmani, F., Ezati, A., Keyvani, M., Hosnirokh, A., Shamami, M. A., dan Monshizadeh, M., 2014b, A feasibility study of the Tehran research reactor as a neutron source for BNCT, *Appl. Radiat. Isotopes*, 90, 132-137.
- Kasesaz, Y., Bavarnegin, E., Golshanian, M., Khajeali, A., Jarahi, H., Mirvakili, S., M., dan Khalafi, H., 2015, BNCT project at Tehran research reactor: Current and prospective plans, *Prof. Nucl. Energ.*, 91, 107-115.

- Kotiluoto, P. dan Auterinen, I., 2004, MCNP study for epithermal neutron irradiation of an isolated liver at the Finnish BNCT facility, *Appl. Radiat. Isotopes*, 61(5),781-785.
- Maharani, C, 2014, Perancangan kolimator netron pada *beam port* singgung reaktor Kartini untuk *Boron Neutron Capture Therapy*, *Skripsi*, Fakultas MIPA, Universitas Gadjah Mada, Yogyakarta.
- Mayerhoff, W. E., 1967, *Elements of nuclear physics*, McGraw-Hill, New York.
- Monshizadeh, M., Kasesaz, Y., Khalafi, H., dan Hamidi, S., 2015, MCNP design of thermal and epithermal neutron beam for BNCT at the Isfahan MNSR, *Prog. Nucl. Energ.*, 83, 427-432
- Pelowitz, D. B., 2008, *MCNPXTM user's manual*, Los Alamos national laboratory, California
- Protti, N., Bortolussi, S., Stella, S., Gadan, M. A., De Bari, A., Ballarini, F., Bruschi, P., Ferrari, C., Clerici, A. M., Zonta, C., Bakeine, J. G., Dionigi, P., Zonta, A., dan Altieri, S., 2009, Calculations of dose distribution in the lungs of a rat model irradiated in the thermal column of the TRIGA reactor in Pavia, *Appl. Radiat. Isotopes*, 67, 5210-5213
- Saurwein, W. A. G. dan Moss, R. L., 2009, *Requirements for Boron Neutron Capture Therapy (BNCT) at a nuclear research reactor*, European commission, Netherlands.
- Saurwein, W. A. G., Moss, A. W. R., dan Nakagawa, Y., 2012, *Neutron capture therapy*, Springer, London.
- Shaaban, I. dan Albarhoum, M., 2015, Design calculation of an epithermal neutronic beam for BNCT at the Syrian MNSR using the MCNP4c code, *Prog. Nucl. Energ.*, 78, 297-302.
- Uhlar, R., Alexa, P., dan Pistora, J., 2013, A System of materials compositions and geometry arrangement for fast neutron beam thermalization: An MCNP study, *Nucl. Instrum. Meth. B*, 298, 81-85.
- Widarto, 2002, Analisis dan penentuan distribusi fluks netron saluran tembus radial untuk pendayagunaan reaktor Kartini, *Ganendra*, V, no. 1, ISSN 1410-6957.
- X-5 Monte Carlo Team, 2003, *MCNP-A general Monte Carlo N-Particle transport code, version 5*, Los Alamos national laboratory, California.