## REFERENCES

- Heng Wang, Aijun Liu, and Xiaofei Pan, "Optimization of Joint Power and Bandwidth Allocation in Multi-Spot-Beam Satellite Communication Systems", Hindawi Publishing Corporation Mathematical Problems in Engineering Volume 2014, Article ID 683604, 2014.
- [2] Emmanuel Lance and Hector Fenech, "A Novel Dimensioning Method For High *Throughput* Satellite Design, oleh Dimitri Serrano-Velarde", ESTEL Conference (IEEE-AESS), Rome : Italy (2012), 2012.
- [3] Gerald Maral/Michel Bousquest, "Satellite Communication System System, Techniques and Technologies", John Wiley & Sons Ltd, 2009
- [4] Jorn Christensen, Ph. D, "ITU Regulations for Ka-band Satellite Networks", 2012
- [5] Victor Gooding, "HTS System Design Considerations & Tradeoffs", Telesat, Canada, 2013
- [6] J. P. Choi and V. W. S. Chan, "Optimum power and beam allocation based on traffic demands and channel conditions over satellite downlinks," IEEE Transaction on Wireless Communication, vol. 4, no. 6, pp. 2983–2993, 2005.
- [7] Y. Hong, A. Srinivasan, B. Cheng, L. Hartman, and P. Andreadis, "Optimal power allocation for multiple beam satellite systems," in Proceedings of the IEEE Radio and Wireless Symposium, pp. 823–826, January 2008.
- [8] F. Qi, L. Guangxia, F. Shaodong, and G. Qian, "Optimum power allocation based on traffic demand for multi-beam satellite communication systems," in Proceedings of the 13<sup>th</sup> International Conference on Communication Technology (ICCT'11), pp. 873–876, September 2011.
- [9] U. Park, H. Wook Kim, D. Sub Oh, and B. J. Ku, "Optimum selective beam allocation scheme for satellite network with multi-spot-beams," in Proceedings of the 4th International Conference on Advances in Satellite and Space Communications (SPACOMM '12), pp. 78– 81, April2012.
- [10] U. Park, H. W. Kim, D. Sub Oh, and B. J. Ku, "A dynamic-bandwidth allocation scheme for a multi-spot-beam satellite system," ETRI Journal, vol.34, no.4, pp.613–616, 2012.
- [11] K. Kumaran and H. Viswanathan, "Joint power and bandwidth allocation in Downlink transmission," IEEE Transaction on Wireless Communications, vol.4, no.3, pp.1008– 1016,2005.
- [12] X. Gong, S. A. Vorobyov, and C. Tellambura, "Joint bandwidth and power allocation with admission control in wireless multiuser networks with and without relaying," IEEE Transactions on Signal Processing, vol.59, no.4, pp.1801–1813, 2011.
- [13] J.Miao, Z.Hu, K.Yang, C.Wang, and H.Tian, "Joint power and bandwidth allocation algorithm with Qos support in heterogeneous wireless networks," IEEE Communications Letters, vol.16, no. 4, pp. 479–481, 2012.
- [14] Tymothy Prat, Charless W Bostioan, "Satellite Communication", John Wiley & Sons, 1986
- [15] Richard Thommes, "System Engineering", Telesat, Canada, 2013
- [16] Demand Broadband Satellite Access, Telkom, 2012
- [17] Proyeksi Penduduk Menurut Provinsi, 2010-2035 (Ribuan), https://www.bps.go.id/

linkTabelStatis/view/id/1274, Badan Pusat Statistik

- [18] Jim Petranovich, "Mitigating the Effect of Weather on Ka-band High-Capacity Satellites", Viasat, March 2012.
- [19] CDM-750 Advanced High-Speed Trunking Modem Installation and Operation Manual for Firmware Version 1.6.1 or higher, ComtechEFData
- [20] Comparable U.S. Technology, http://www.wtec.org/loyola/satcom/c2\_s1b.htm
- [21] W. Fischer,"Digital Video and Audio Broadcasting Technology A Practical Engineering Guide", Springer, 2010