

BIBLIOGRAPHY

- [1] Cisco, "Cisco Visual Networking Index: Forecast and Trends 2017-2022 White Paper," 2019.
- [2] D. Kusuma and D. Setiawan, Roadmap Broadband Indonesia Menuju Era Teknologi 5G, Elex Media Komputindo, 2017.
- [3] M. Alhulayil and M. Lopez, "Coexistence Mechanisms for LTE and Wi-Fi Networks over Unlicensed Frequency Bands," in *11th International Symposium on Communication Systems, Networks & Digital Signal Processing (CSNDSP)*, 2018.
- [4] M. Labib, V. Marojevic, J. H. Reed and A. Zaghloni, "Extending LTE into the Unlicensed Spectrum: Technical Analysis of the Purposed Variants," in *US Army Research Laboratory*, Adelphi, USA, 2017.
- [5] H3I, "Licensed Assisted Access (LAA) Trial Scenario and Procedure," H3I, Bandung, 2019.
- [6] Global mobile Supplier Association (GSA), "LTE in Unlicensed and Shared Spectrum: Trials, Deployments, and Devices," Global mobile Supplier Association (GSA), 2019.
- [7] Global System Mobile Association (GSMA), "Accelerating Indonesia's digital economy: Assigning the 700 MHz band to mobile broadband," 2018.
- [8] A. Mubarak, U. K. Usman and G. P. Fitrianto, Perencanaan Jaringan LTE-Advanced Pro Menggunakan Metode Licensed Assisted Access dengan Menggabungkan Spectrum Licensed di Frekuensi 1800 MHz dan Unlicensed di 5 GHz, Bandung: Telkom University, 2018.
- [9] M. M. Do, "Netmanias," 13 June 2017. [Online]. Available: <https://www.netmanias.com/en/post/blog/12380/4-5g-lte-sk-telecom/future-lte-designed-by-sk-telecom-1-4-5g-evolution-roadmap-5-ca-commercialization-and-4x4-mimo-deployment>. [Accessed 10 May 2019].
- [10] 5G Americas, "Wireless Technology Evolution Towards 5G: 3GPP Release 13 to Release 15 and Beyond. White Paper," 5G Americas, 2017.
- [11] T. Nakamura, "LTE-Advanced (3GPP Release-10 and beyond) RF Aspects," 3GPP, Beijing, 2009.
- [12] D. Malladi, "Best use of unlicensed spectrum," Qualcomm, 2016.
- [13] F. Ghavimi and H.-H. Chen, "M2M Communication in 3GPP LTE/LTE-A Networks: Architecture, Service Requirements, Challenges, and Applications," *IEEE Communications Surveys and Tutorials*, vol. 17, no. 2, pp. 525-549, 2014.
- [14] R. Kwan and R. Pazhyannur, "Fair Co-Existence of Licensed Assisted Access LTE (LAA-LTE) and Wi-Fi in Unlicensed Spectrum," in *7th Computer Science and Electronic Engineering Conference (CEEC)*, 2015.
- [15] Ericsson, "R1-145193: Details of Listen-Before Talk for LAA," Ericsson, 2014.
- [16] 3GPP, "3rd Generation Partnership Project: Technical Specification Group Radio Access Network, Study on Licensed-Assisted Access to Unlicensed Spectrum; (Release 13): 3GPP TR 36.889," 3GPP, 2015.
- [17] A. V. Kini, L. Cannone-Velasquez, M. Hosseinan, M. Rudolf and J. Stern-Berkwotiz, "Wi-Fi-LAA Coexistence: Design and Evaluation of Listen Before Talk for LAA," in *2016 Annual Conference on Information Science and Systems (CISS)*, USA, 2016.

- [18] L. Qiao, M. Shen, C. Zhang, M. Jia and B. Liu, "Dynamic Frequency Selection based on minimum interference and minimum occupation time in Licensed-Assisted Access," in *2015 IEEE 16th International Conference on Communication Technology (ICCT)*, 2015.
- [19] P. Xia, Z. Teng and J. Wu, "Transmit power control and clear channel assessment in LAA networks," in *2015 European Conference on Networks and Communications (EuCNC)*, Paris, 2015.
- [20] P. Lancia, "Gigabit LTE: beyond theory," Qualcomm, 2017.
- [21] Hongkong Communications Authority, "Use of the 5 GHz Shared Band for the Provision of Public Mobile Services," Hongkong Communications Authority, Hongkong, 2018.
- [22] Kominfo, 18 March 2019. [Online]. Available: https://kominfo.go.id/content/detail/17245/siaran-pers-no-61hmkominfo032019-tentang-uji-coba-teknologi-licensed-assisted-access-laa/0/siaran_pers. [Accessed 20 March 2019].
- [23] Indonesia Ministry of Communication and Informatics , "Peraturan Menteri Komunikasi dan Informatika Republik Indonesia Nomor 1 Tahun 2019 tentang Penggunaan Spektrum Frekuensi Radio Berdasarkan Izin Kelas," Indonesia Ministry of Communication and Informatics , Jakarta, 2019.
- [24] 3GPP, "LTE Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception," 3GPP, 2018.
- [25] Indonesia Ministry of Communication and Informatics, "Pedoman Pengembangan dan Penggunaan Bersama Infrastruktur Pasif Telekomunikasi," Indonesia Ministry of Communication and Informatics, Jakarta, 2018.
- [26] M. A. Saputra, M. I. Nashirudin and N. Mufti, "A Survey of Licensed Assisted Access Implementation in Indonesia," in *2019 IEEE Asia Pacific Conference on Wireless and Mobile (APWiMob)*, Bali, 2019.
- [27] Huawei Technologies, "LTE Network Planning," Huawei Technologies, 2013.
- [28] Huawei Technologies, "LTE Radio Network Capacity Dimensioning," Huawei Technologies, 2010.
- [29] Huawei Technologies, "LTE Network Radio Coverage Planning," Huawei Technologies, 2010.
- [30] Commonwealth of Australia, Introduction to Cost Benefit Analysis and Alternative Evaluation Methodologies, Commonwealth of Australia, 2006.
- [31] S. E. E. Ayoubi, S. Jeux, F. Marache, F. Pujol, M. Fallgren, P. Spapis, C. Yang, A. Widaa, J. Markendahl, A. Ghanbari, R. Ruismäki and M. A. Uusi, "Refined scenarios and requirements, consolidated use cases, and qualitative techno-economic feasibility assessment," *Mobile and wireless communications Enablers for the Twenty-twenty Information Society-II*, 2016.
- [32] Statistics of Bandung Municipality, "Kota Bandung Dalam Angka (Bandung Municipality in Figures) 2019," Statistics of Bandung Municipality, Bandung, 2019.
- [33] Inc., We Are Social Ltd. and Hootsuite, "Digital 2019 Indonesia," We Are Social Ltd. and Hootsuite Inc., 2019.
- [34] Y. Bao, S. E. El Ayoubi, F. Pujol, C. Manero, B. Copigneaux, I. Hossein, A. Widaa, J. Markendahl, G. Zimmermann and L. M. Campoy, "Quantitative techno-economic feasibility assessment," *5GPPP*, 2017.

- [35] Indonesia Ministry of Energy and Mineral Resources, "Regulation of the Minister of Energy and Mineral Resources no. 28 of 2016 concerning "Electricity Tariffs provided by PT PLN".", Indonesia Ministry of Energy and Mineral Resources, Jakarta, 2016.
- [36] V. Heppy, D. Yuniarti, A. R. Dwiardi, Wardahnia, A. D. Gultom, S. Wahyuningsih, R. Bastanta, S. Tribroto, W. Pradono and R. Siregar, "Analisis Industri Telekomunikasi Indonesia untuk Mendukung Efisiensi," Puslitbang Sumber Daya, Perangkat, dan Penyelenggaraan Pos dan Informatika. Kemkominfo, Jakarta, 2018.
- [37] Direktorat Jendral Pajak, "Pajak Penghasilan (PPh)," Kementrian Keuangan Republik Indonesia, Jakarta, 2013.
- [38] M. I. Nashiruddin, "Analisis Tekno Ekonomi terhadap Pemilihan Teknologi Fixed Wireless Access (FWA) untuk Penyelenggaraan Layanan Telepon Tetap Di Indonesia," in *TEMATIK - Jurnal Teknologi Informasi Dan Komunikasi Vol. 2 No. 1 Desember 2014*, 2014.
- [39] L. Guan, D. R. Hansen and M. M. Mowen, *Cost Management Sixth Edition*, Mason: South-Western Cengage Learning, 2009.
- [40] Q. E. S. Group, "LAA Technical Sharing to Indonesia Regulators," Qualcomm, Jakarta, 2018.