DAFTAR PUSTAKA

[1] Y. Cui *et al.*, "High-Performance Monolayer WS2 Field-Effect Transistors on High-κ Dielectrics," *Adv. Mater.*, vol. 27, no. 35, pp. 5230–5234, 2015.

[2] X. Li and H. Zhu, "Two-dimensional MoS2: Properties, preparation, and applications," *J. Mater.*, vol. 1, no. 1, pp. 33–44, 2015.

[3] X. Hong *et al.*, "Ultrafast charge transfer in atomically thin MoS 2 / WS 2 heterostructures," *Nat. Nanotechnol.*, no. August, pp. 1–5, 2014.

[4] N. Huo, J. Kang, Z. Wei, S. S. Li, J. Li, and S. H. Wei, "Novel and enhanced optoelectronic performances of multilayer MoS2 -WS2 heterostructure transistors," *Adv. Funct. Mater.*, vol. 24, no. 44, pp. 7025–7031, 2014.

[5] K. Koåmider and J. Fernández-Rossier, "Electronic properties of the MoS2WS2 heterojunction," *Phys. Rev. B - Condens. Matter Mater. Phys.*, vol. 87, no. 7, pp. 2–5, 2013.

[6] W. Li *et al.*, "Electric field modulation of the band structure in MoS2/WS2 van der waals heterostructure," *Solid State Commun.*, vol. 250, no. November 2016, pp. 9–13, 2017.

[7] Y. Chen *et al.*, "High-Performance Photovoltaic Detector Based on MoTe2/MoS2 Van der Waals Heterostructure," *Small*, vol. 14, no. 9, pp. 1–7, 2018.

[8] K. Murali and K. Majumdar, "Self-Powered, Highly Sensitive, High-Speed Photodetection Using ITO/WSe2/SnSe2 Vertical Heterojunction," *IEEE Trans. Electron Devices*, vol. 65, no. 10, pp. 4141–4148, 2018.

[9] X. Li *et al.*, "Graphene and related two-dimensional materials: Structureproperty relationships for electronics and optoelectronics," *Appl. Phys. Rev.*, vol. 4, no. 2, 2017.

[10] T. Li and G. Galli, "2007, T Li, Electronic Properties of MoS2 Nanoparticles.pdf," vol. 12, pp. 16192–16196, 2007.

[11] H. R. Gutiérrez *et al.*, "Extraordinary room-temperature photoluminescence in triangular WS 2 monolayers," *Nano Lett.*, vol. 13, no. 8, pp. 3447–3454, 2013.

[12] K. Chen *et al.*, "Lateral Built-In Potential of Monolayer MoS2-WS2 In-Plane Heterostructures by a Shortcut Growth Strategy," *Adv. Mater.*, vol. 27, no. 41, pp. 6431–6437, 2015.

[13] J. Shan *et al.*, “Enhanced photoresponse characteristics of transistors using CVD-grown MoS 2 /WS 2 heterostructures,” *Appl. Surf. Sci.*, vol. 443, pp. 31–38, 2018.

[14] H. M. Hill, A. F. Rigosi, K. T. Rim, G. W. Flynn, and T. F. Heinz, “Band Alignment in MoS2/WS2 Transition Metal Dichalcogenide Heterostructures Probed by Scanning Tunneling Microscopy and Spectroscopy,” *Nano Lett.*, vol. 16, no. 8, pp. 4831–4837, 2016.

[15] H. Chen *et al.*, “Ultrafast formation of interlayer hot excitons in atomically thin MoS 2 /WS 2 heterostructures,” *Nat. Commun.*, vol. 7, pp. 1–8, 2016.

[16] K. Chen *et al.*, “Electronic Properties of MoS2-WS2 Heterostructures Synthesized with Two-Step Lateral Epitaxial Strategy,” *ACS Nano*, vol. 9, no. 10, pp. 9868–9876, 2015.

[17] E. J. Combinatorics, “Integrated circuitry,” *Order A J. Theory Ordered Sets Its Appl.*, no. December, pp. 892–903, 1939.

[18] W. Wu *et al.*, “Self-powered photovoltaic photodetector established on lateral monolayer MoS2-WS2 heterostructures,” *Nano Energy*, vol. 51, pp. 45–53, 2018.

[19] H. Li *et al.*, “From bulk to monolayer MoS 2: Evolution of Raman scattering,” *Adv. Funct. Mater.*, vol. 22, no. 7, pp. 1385–1390, 2012.

[20] E. Properties, C. Of, and W. S. Mos, “KARAKTERISASI SIFAT LISTRIK HETEROSTRUKTUR WS 2 / MoS 2,” no. Cv, pp. 1–8, 2004.

[21] lucia maria aversa Villela, “**済無**No Title No Title,” *J. Chem. Inf. Model.*, vol. 53, no. 9, pp. 1689–1699, 2013.

[22] J. H. Hooijschuur, M. F. C. Verkaaik, G. R. Davies, and F. Ariese, “Will Raman meet bacteria on Mars? An overview of the optimal Raman spectroscopic techniques for carotenoid biomarkers detection on mineral backgrounds,” *Geol. en Mijnbouw/Netherlands J. Geosci.*, vol. 95, no. 2, pp. 141–151, 2016.

[23] Z. Xu *et al.*, “Topic review: Application of raman spectroscopy characterization in micro/nano-machining,” *Micromachines*, vol. 9, no. 7, 2018.

[24] R. Holze, “E. Smith and G. Dent (eds): Modern Raman spectroscopy—a practical approach, Wiley, Chichester, United Kingdom, 2005, 210 + XI p., 24.95 £; ISBN 0471497940,” *J. Solid State Electrochem.*, vol. 11, no. 4, pp. 558–558, 2007.

[25] B. Adilbekova *et al.*, “Liquid phase exfoliation of MoS2 and WS2 in aqueous ammonia and their application in highly efficient organic solar cells,” *J. Mater. Chem. C*, vol. 8, no. 15, pp. 5259–5264, 2020.

[26] M. P. Deshpande, S. V. Bhatt, V. Sathe, B. H. Soni, N. Garg, and S. H. Chaki, “Raman scattering in 2H-MoS2 single crystal,” *AIP Conf. Proc.*, vol. 1512, pp. 808–809, 2013.

[27] A. Berkdemir *et al.*, “Identification of individual and few layers of WS2 using Raman Spectroscopy,” *Sci. Rep.*, vol. 3, pp. 1–8, 2013.

[28] N. Huo, J. Kang, Z. Wei, S. S. Li, J. Li, and S. H. Wei, “Novel and enhanced optoelectronic performances of multilayer MoS2 -WS2 heterostructure transistors,” *Adv. Funct. Mater.*, vol. 24, no. 44, pp. 7025–7031, 2014.

[29] N. Choudhary *et al.*, “Centimeter Scale Patterned Growth of Vertically Stacked Few Layer Only 2D MoS2/WS2 van der Waals Heterostructure,” *Sci. Rep.*, vol. 6, no. March, pp. 4–10, 2016.

[30] F. Paquin, J. Rivnay, A. Salleo, N. Stingelin, and C. Silva, “Multi-phase semicrystalline microstructures drive exciton dissociation in neat plastic semiconductors,” *J. Mater. Chem. C*, vol. 3, pp. 10715–10722, 2015.