DAFTAR PUSTAKA

[1] R. S. Sundaram *et al*. 2013. "Electroluminescence in single layer MoS2," *Nano Lett.*, vol. 13, no. 4, pp. 1416–1421, doi: 10.1021/nl400516a.

[2] K. F. Mak, C. Lee, J. Hone, J. Shan, and T. F. Heinz. 2010. "Atomically thin MoS2: A new direct-gap semiconductor," *Phys. Rev. Lett.*, vol. 105, no. 13, doi: 10.1103/PhysRevLett.105.136805.

[3] H. Dong, S. Guo, Y. Duan, F. Huang, W. Xu, and J. Zhang. 2018. "Research article Electronic and optical properties of single-layer MoS 2," no. July.

[4] P. Li *et al*. 2017. "A mixed-dimensional light-emitting diode based on a p-MoS2 nanosheet and an n-CdSe nanowire," *Nanoscale*, vol. 9, no. 46, pp. 18175–18179, doi: 10.1039/c7nr05706g.

[5] H. YANG. 2016. "Phase Engineering of Transition-Metal Dichalcogenides," *Phys. High Technol.*, vol. 25, no. 7/8, pp. 21–25, doi: 10.3938/phit.25.037.

[6] S. Mouri, Y. Miyauchi, and K. Matsuda. 2013. "Tunable photoluminescence of monolayer MoS2 via chemical doping," *Nano Lett.*, vol. 13, no. 12, pp. 5944–5948, doi: 10.1021/nl403036h.

[7] O. Lopez-Sanchez, D. Lembke, M. Kayci, A. Radenovic, and A. Kis. 2013. "Ultrasensitive photodetectors based on monolayer MoS 2," *Nat. Nanotechnol.*, vol. 8, no. 7, pp. 497–501, doi: 10.1038/nnano.2013.100.

[8] S. M. Phototransistors *et al.* 2013. "Single-Layer MoS 2 Phototransistors**,"

[9] X. Wang, P. Wang, J. Wang, W. Hu, and X. Zhou, "Ultrasensitive and broadband MoS 2 photodetector driven by ferroelectrics."

[10] X. Li and H. Zhu. 2015. "Two-dimensional MoS2: Properties, preparation, and applications," *J. Mater.*, vol. 1, no. 1, pp. 33–44, doi: 10.1016/j.jmat.2015.03.003.

[11] H. S. Nalwa. 2020. “ A review of molybdenum disulfide (MoS 2) based photodetectors: from ultra-broadband, self-powered to flexible devices ,” *RSC Adv.*, vol. 10, no. 51, pp. 30529–30602, doi: 10.1039/d0ra03183f.

[12] M. G. Faraj, K. Ibrahim, and M. K. M. Ali. 2011. “PET as a plastic substrate for the flexible optoelectronic applications,” *Optoelectron. Adv. Mater. Rapid Commun.*, vol. 5, no. 8, pp. 879–882.

[13] L. Kinner, M. Bauch, R. A. Wibowo, G. Ligorio, E. J. W. List-Kratochvil, and T. Dimopoulos. 2019. “Polymer interlayers on flexible PET substrates enabling ultra-high performance, ITO-free dielectric/metal/dielectric transparent electrode,” *Mater. Des.*, vol. 168, p. 107663, doi: 10.1016/j.matdes.2019.107663.

[14] L. Muscuso, S. Cravanzola, F. Cesano, D. Scarano, and A. Zecchina. 2015. “Optical, vibrational, and structural properties of MoS2 nanoparticles obtained by exfoliation and fragmentation via ultrasound cavitation in isopropyl alcohol,” *J. Phys. Chem. C*, vol. 119, no. 7, pp. 3791–3801, doi: 10.1021/jp511973k.

[15] M. Abdullah and K. Khairurrijal. 2009. “Review: Karakterisasi Nanomaterial,” *J. Nano Saintek*, vol. 2, no. 1, pp. 1–9.

[16] M. U. Arshad, H. Raza, M. B. Khan, and A. Hussain. 2020. “Synthesis of 2D Molybdenum Disulfide (MoS2) for enhancement of mechanical and electrical properties of polystyrene (PS) polymer,” *Polym. Test.*, vol. 90, no. May, p. 106646, doi: 10.1016/j.polymertesting.2020.106646.

[17] C. Jinsuo, “Fabrication of monolayer MoS2-rGO hybrids with excellent tribological performances through a surfactant-assisted hydrothermal route.pdf.” .

[18] M. M. Bernal *et al.* 2016. “Luminescent transition metal dichalcogenide nanosheets through one-step liquid phase exfoliation,” *2D Mater.*, vol. 3, no. 3, pp. 1–11, doi: 10.1088/2053-1583/3/3/035014.

[19] B. Radisavljevic, A. Radenovic, J. Brivio, V. Giacometti, and A. Kis. 2011. “Single-layer MoS2 transistors,” *Nat. Nanotechnol.*, vol. 6, no. 3, pp. 147–150, doi: 10.1038/nnano.2010.279.

[20] A. Jagminas, G. Niaura, R. Žalneravičius, R. Trusovas, G. Račiukaitis, and V. Jasulaitiene. 2016. “Laser light induced transformation of molybdenum disulphide-based nanoplatelet arrays,” *Sci. Rep.*, vol. 6, no. October, pp. 2–10, doi: 10.1038/srep37514.

[21] K. Liu and J. Wu. 2016. “Mechanical properties of two-dimensional materials and heterostructures,” *J. Mater. Res.*, vol. 31, no. 7, pp. 832–844, doi: 10.1557/jmr.2015.324.

[22] S. Bertolazzi, J. Brivio, and A. Kis. 2011. “Stretching and breaking of ultrathin MoS 2,” *ACS Nano*, vol. 5, no. 12, pp. 9703–9709, doi: 10.1021/nn203879f.

[23] M. B. Khan, R. Jan, A. Habib, and A. N. Khan. 2017. “Evaluating Mechanical Properties of Few Layers MoS2 Nanosheets-Polymer Composites,” *Adv. Mater. Sci. Eng.*, vol. 2017, pp. 1–7, doi: 10.1155/2017/3176808.

[24] M. Mahdavi, S. Kimiagar, and F. Abrinaei. 2020. “Preparation of Few-Layered Wide Bandgap MoS2,” *Crystals*, vol. 10, p. 164.

[25] D. Kaplan *et al.* 2016. “Excitation intensity dependence of photoluminescence from monolayers of MoS2 and WS2/MoS2 heterostructures,” *2D Mater.*, vol. 3, no. 1, p. 15005, doi: 10.1088/2053-1583/3/1/015005.

[26] I. P. Handayani, A. M. Utama, M. Rosi, A. M. Rafli, and A. Setiawan. 2021. “Optical and electrical characterization of WS2multilayer on flexible PET substrate,” *Mater. Res. Express*, vol. 8, no. 2, doi: 10.1088/2053-1591/abe54f.

[27] H. Yin *et al.* 2019. “2D gold supercrystal-MoS2 hybrids: Photoluminescence quenching,” *Mater. Lett.*, vol. 255, p. 126531, doi: 10.1016/j.matlet.2019.126531.