

DAFTAR PUSTAKA

- Anonim, 2004 AAPA National Asphalt Specification - Australian Asphalt Pavement, edisi 2.
- Amalia, A.N., Rahayu, E.F., 2020. Pengaruh Massa Graphene Oxide dan Daya Microwave terhadap Sintesis Graphene melalui Iradiasi Microwave. *journal.unnes. Univ Semaraang. Vol.9 no.2.*
- Desy Maharani, 2017. Nanoteknologi pada Campuran Aspal. *journal.uns. Univ sebelas maret. Vol. 3.*
- Djakfar, L., Zaika, Y., Bowoputro, H., 2016. Pengaruh Penambahan Aditif Terhadap Kinerja Campuran Beraspal Porus. *journal transportasi. Univ barawijaya. Vol.16 no.1.*
- Gulisano, F., Abedi, M., Jurado-Piña, R., Apaza, F.R.A., Roshan, M.J., Fangueiro, R., Correia, A.G., Gallego, J., 2023. Stress and damage-sensing capabilities of asphalt mixtures incorporating graphene nanoplatelets. *jurnal elsevier. Univ minho. Portugal revisi 2 Sens. Actuators Phys. 359, 114494. <https://doi.org/10.1016/j.sna.2023.114494>.*
- Hidayat, A., Setiadji, S., Hadisantoso, E.P., 2019a. Sintesis Oksida Grafena Tereduksi (rGO) dari Arang Tempurung Kelapa (Cocos nucifera). *Al-Kim. Vol.5 no.2. UIN sunan gunung djati bandung, 68–73. <https://doi.org/10.15575/ak.v5i2.3810>.*
- Irfan, A.M., 2021. Analisis pengaruh aditif Graphene Oxide terhadap compressive dan shear bond strength semen pemboran. Universitas Islam Riau Pekanbaru. skripsi hal 35-39.
- Irhamni, 2016. Preparasi Molecularly Imprinted Polymers Sebagai Adsorben Untuk Urea Dan Kreatinin. *jurnal kimia dan pendidikan. Univ sult agug tirtayasa. Vol.1 no.2.*
- Isnanda, I., Saleh, S.M., Isya, M., 2018. Pengaruh Substitusi Polystyrene (Ps) Dan Abu Arang Tempurung Kelapa Sebagai Filler Terhadap Karakteristik Campuran AC-WC. *J. Tek. Sipil. Univ USK. Vol.1 no.3, p-p 637–646. <https://doi.org/10.24815/jts.v1i3.10002>.*
- Jauhari, B., Doda, N., 2019. Pengaruh gradasi agregat terhadap nilai karakteristik aspal beton (ac-bc). *Gorontalo J. Infrastruct. Polsri. Vol.10 no.1, 27. <https://doi.org/10.32662/gojise.v2i1.524>.*
- Jyothirmai, B., Kiranmai, M.H., Vagdevi, K., 2020. Graphene reinforces asphalt – Doubles durability of road. Presented at the International Conference On Multifunctional Materials (ICMM-2019), AIP. Hyderabad, India, p. 030085. <https://doi.org/10.1063/5.0019643>.

- Li, X., Wang, Y., Wu, Y., Wang, H., Chen, M., Sun, H., Fan, L., 2021. Properties and modification mechanism of asphalt with graphene as modifier. *Constr. Build. Mater.* 272, 121919. <https://doi.org/10.1016/j.conbuildmat.2020.121919>.
- Li, Y., Wu, S., Amirhanian, S., 2019. 10 - Effects of graphene oxide on asphalt binders, Long-term Performance and Durability of Masonry Structures. Elsevier Ltd. <https://doi.org/10.1016/B978-0-08-102641-0.00010-4>
- Li, Y., Wu, S., Amirhanian, S., 2018. Investigation of the graphene oxide and asphalt interaction and its effect on asphalt pavement performance. *Constr. Build. Mater.* 165, 572–584. <https://doi.org/10.1016/j.conbuildmat.2018.01.068>
- Marizka, E., n.d. Studi Kinerja Campuran Aspal Porus Dengan Penambahan Bahan Additive Rediset LQ-1106. UII yogyakarta. tesis.
- Moreno-Navarro, F., Sol-Sánchez, M., Gámiz, F., Rubio-Gámez, M.C., 2018. Mechanical and thermal properties of graphene modified asphalt binders. *Constr. Build. Mater.* 180, 265–274. <https://doi.org/10.1016/j.conbuildmat.2018.05.259>.
- Nurchaya, A., Subagio, B.S., Rahman, H., Weningtyas, W., 2019. Analisis Kinerja Campuran Aspal Porus Menggunakan Aspal Pen 60/70 Dan Aspal Modifikasi Polimer Elvaloy. *jurnal teknik. ITB*.
- Pasaribu, F.I., Lubis, S.A., Alam, S.I.P., 2020. Superkapasitor Sebagai Penyimpan Energi Menggunakan Bahan Graphene. *RELE (Rekayasa Elektr Dan Energi) Jurnal Teknik. UMSU* .Vol.2 no.2, hal 65–72. <https://doi.org/10.30596/rele.v2i2.4419>.
- Putri, E.E., Adji, B.M., 2020. Pengaruh Penggunaan Styrofoam Terhadap Parameter Kinerja Perkerasan Campuran Aspal Porus. *e-journal. Unv andalas. Vol.17 no.1*.
- Rafitasari, Y., Suhendar, H., Imani, N., Luciana, F., Radean, H., Santoso, I., 2016. Sintesis Graphene Oxide Dan Reduced Graphene Oxide, In: *Prosiding Seminar Nasional Fisika (E-Journal) UGM Vol.5*. <https://doi.org/10.21009/0305020218>.
- Rahmawati, A., Hidayat, R.N., 2021. Kinerja Campuran Aspal Porus yang Dimodifikasi dengan Lateks. *Semesta Tek. Vol.24 no.1*, hal 47–61. <https://doi.org/10.18196/st.v24i1.11724>.
- Saodang, 2005. *Konstruksi Jalan Raya, Edisi ke 2 Nova Bandung, Bandung..*
- Saputra, Y., Zahara, A.W.L., Lazuardi, M.A., Amada, M.S., Haryanti, N.H., 2023. Karakteristik Aspal Porus dengan Campuran Serat Bemban (Donax Canniformis) Terhadap Porositas, Void In Mixture, dan Marshall Quotient *journal itera. Univ lam mangkurat. Vol.7*.

- Seren Adelia P, 2023. Pemanfaatan Limbah Plastik Sebagai Bahan Campuran Aspal pada Perkerasan Aspal AC-WC dengan Perendaman Air Tawar dan Air Laut Secara Berulang. Univ bosowa. skripsi.
- Setiawan, E.D., Rahmawati, A.N., 2022. Penentuan Karakteristik Aspal Porus Menggunakan Agregat Kasar Batu Pecah Parengan Tuban Dengan Metode Uji Marshall. De'teksi jurnal. Unigoro Vol.7.
- Sukirman, S., 2003. Beton Aspal Campuran Panas, Mustofa Bandung, Bandung .
- Sunarjono, S., Ngafwan, N., 2022. Implementation of Palm Oil Waste Nano Technology to Increase the Durability of Road Pavement Materials: Proposed Research Roadmap. Urecol J. Part E Eng. UMSur Vol.2, hal 9–18. <https://doi.org/10.53017/uje.138>.
- Susanto, A., Sayekti, S.P., Arifin, M.Z., Bowoputro, H., 2016. Pengaruh Limbah Beton dan Marmer Pada Campuran Aspal Porus Dengan Bahan Tambahan Gilsonite. Univ Baiwijaya. skripsi.
- Yang, J., Tighe, S., 2013. A Review of Advances of Nanotechnology in Asphalt Mixtures. Procedia - Soc. Behav. Sci. 96, 1269–1276. <https://doi.org/10.1016/j.sbspro.2013.08.144>.
- Zhang, X., He, J., Huang, G., Zhou, C., Feng, M., Li, Y., 2019. Preparation and Characteristics of Ethylene Bis (Stearamide) -Based Graphene-Modified Asphalt. <https://doi.org/10.3390/ma12050757>.
- Zhou, X., 2019. Graphene-Modified Asphalt 7, 199–223.