

# Halimatuddahlia Nasution

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1860466/publications.pdf>

Version: 2024-02-01

27  
papers

157  
citations

1163117

8  
h-index

1199594

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

130  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Preparation and Characterization of Cellulose Microcrystalline (MCC) from Fiber of Empty Fruit Bunch Palm Oil. IOP Conference Series: Materials Science and Engineering, 2017, 180, 012007.  | 0.6 | 25        |
| 2  | Thermoplastic Elastomer Based on PP/EPDM/ENR25 and PP/EPDM/NR Blends. Polymer-Plastics Technology and Engineering, 2004, 43, 357-368.  | 1.9 | 19        |
| 3  | Extraction and Isolation of Cellulose Nanofibers from Carpet Wastes Using Supercritical Carbon Dioxide Approach. Polymers, 2022, 14, 326.  | 4.5 | 19        |
| 4  | Insights into the Role of Biopolymer-Based Xerogels in Biomedical Applications. Gels, 2022, 8, 334.  | 4.5 | 15        |
| 5  | The Effect of HVA-2 Addition on the Properties of PP&EPDM&NR Ternary Blends. Journal of Elastomers and Plastics, 2005, 37, 55-72.  | 1.5 | 12        |
| 6  | The Effects of Dynamic Vulcanization by Dicumyl Peroxide (DCP) and N,N-m-Phenylene Bismaleimide (HVA-2) on the Properties of Polypropylene (PP)/Ethylene-Propylene Diene Terpolymer (EPDM)/Natural Rubber (NR) Blends. Polymer-Plastics Technology and Engineering, 2005, 44, 1217-1234. | 1.9 | 10        |
| 7  | Flow Behavior of Polypropylene/Ethylene-Propylene Diene Terpolymer/Natural Rubber (PP/EPDM/NR) Blends by Torque Rheometer: The Effect of N,N-m-Phenylene Bismaleimide (HVA-2) Addition. Polymer-Plastics Technology and Engineering, 2005, 44, 1429-1442.                                | 1.9 | 10        |
| 8  | The Effect of Dynamic Vulcanization on the Properties of Polypropylene/Ethylene-Propylene Diene Terpolymer/Natural Rubber (PP/EPDM/NR) Ternary Blend. Polymer-Plastics Technology and Engineering, 2008, 48, 34-41.  | 1.9 | 10        |
| 9  | Physical properties of sago starch biocomposite filled with Nanocrystalline Cellulose (NCC) from rattan biomass: the effect of filler loading and co-plasticizer addition. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012033.                                  | 0.6 | 8         |
| 10 | Biocomposite of pectin and starch filled with nanocrystalline cellulose (NCC): The effect of filler loading and glycerol addition. AIP Conference Proceedings, 2019, , .   | 0.4 | 7         |
| 11 | Effect of cellulose nanocrystals (CNC) addition and citric acid as co-plasticizer on physical properties of sago starch biocomposite. AIP Conference Proceedings, 2018, , .  | 0.4 | 6         |
| 12 | The Effect of Dicumyl Peroxide Vulcanization on the Properties & Morphology of Polypropylene/Ethylene-Propylene Diene Terpolymer/Natural Rubber Blends. International Journal of Polymeric Materials and Polymeric Biomaterials, 2005, 54, 1169-1183.                                    | 3.4 | 5         |
| 13 | Process optimization of manufacturing nanocrystalline cellulose from rattan biomass using sulfuric acid. AIP Conference Proceedings, 2018, , .   | 0.4 | 4         |
| 14 | Effect of pressing temperature on the mechanical properties of waste styrofoam filled sawdust composite. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012034.  | 0.6 | 2         |
| 15 | Physicochemical properties and characteristics of microcrystalline cellulose derived from the cellulose of oil palm empty fruit bunch. IOP Conference Series: Materials Science and Engineering, 2017, 223, 012056.  | 0.6 | 1         |
| 16 | The Effect of Drying Temperature on Natural Rubber Latex (NRL) Films with Modification of Nanocrystal Cellulose (NCC) Filler. Journal of Physics: Conference Series, 2018, 1028, 012061.   | 0.4 | 1         |
| 17 | Tensile Properties of Sago Starch Biocomposites Reinforced with Nanocrystalline Cellulose from Rattan Biomass. IOP Conference Series: Materials Science and Engineering, 2019, 505, 012118.  | 0.6 | 1         |
| 18 | Characterizations of activated zeolite using hydrolysis method. AIP Conference Proceedings, 2019, , .  | 0.4 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Semi chemically processed nano fiber cellulose isolated from palm fiber waste: Morphology and physical characterization. AIP Conference Proceedings, 2019, , .  | 0.4 | 1         |
| 20 | The effect of cellulose nanocrystal (CNC) from rattan biomass as filler and citric acid as co-plasticizer on tensile properties of sago starch biocomposite. AIP Conference Proceedings, 2017, , .                          | 0.4 | 0         |
| 21 | Effect of filler loading of characteristic natural rubber latex (NRL) film filled with nanocrystal cellulose (NCC) and dispersion agent polyvinylpyrrolidone (PVP). AIP Conference Proceedings, 2018, , .                   | 0.4 | 0         |
| 22 | Effect of cellulose nanocrystals from corn cob with dispersion agent polyvinyl pyrrolidone in natural rubber latex film after aging treatment. IOP Conference Series: Materials Science and Engineering, 2018, 309, 012101. | 0.6 | 0         |
| 23 | Tensile properties of polypropylene waste/modified bagasse flour/E-type glass fiber flour hybrid composite: The effect of maleic anhydride-g-polypropylene addition. AIP Conference Proceedings, 2018, , .                  | 0.4 | 0         |
| 24 | Properties of Unsaturated Polyester Composite Filled Activated Zeolite: The Effect of Filler Addition and Compression. Journal of Physics: Conference Series, 2019, 1230, 012091.   | 0.4 | 0         |
| 25 | Effect of waste natural rubber latex and eggshell powder as reinforcing filler on concrete manufactured. AIP Conference Proceedings, 2019, , .  | 0.4 | 0         |
| 26 | Utilization of overcured natural rubber latex compound in modified concrete manufacturing. IOP Conference Series: Materials Science and Engineering, 2019, 505, 012108.   | 0.6 | 0         |
| 27 | Effects of Heating Temperature and Load Weight on Rheological Properties of Waste Plastic Cup. Journal of Engineering Science, 2021, 17, 39-49.   | 0.4 | 0         |