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Application of extracted neem seed oil in the production of gloss paint

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The research focuses mainly on the extraction of neem oil from the neem seed and its application in the polymer industry, the neem oil will serve as raw material to produce gloss paint. The neem oil was extracted from neem seed using compression technique which give the highest yield, the extracted neem oil was used to substitute for alkyl resin in gloss paint (oil paint) production, the produced paint was subjected to different test to be able to know their quality of the paint, from the various test carried out like brush-ability, weathering, hiding time, drying time test, which showed great improvement in the quality of the paint when compare to the conventional ones. The conventional paint was applied on different substrate like wood, concrete, metal and glass. The results show that for drying time, it took 5 hours for it to dry while for the one produced with neem oil applied on the same substrate took 4 hours, an hour less to dry.

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