Biocomposite is a composite material that made up of natural and biological origin that are eco-friendly. The biological origin that used are sea mango fillers. The main interest of bio-composite are environmental friendly and biodegradable based upon the filler added. The light weight biocomposite based on sea mango as a natural filler. These bio-composite can be fabricated using a cheap and breakthrough technology by optimized the formulation and processing conditions.

1. Reduce the use of core materials or PP matrix that derived from petroleum based.
2. The use of agro-waste materials and reduce cost of production.
3. Environment objective: Sea mango utilize as filler which help reduce the use of plastics.
4. Light structural composite and high modulus of elasticity.
5. The ability of the material to be molded to meet almost any desired shape.
6. Sea mango is a renewable natural resources and reduce the carbon dioxide emissions.

1. Low cost production than the commercial product which derived from 100% petroleum core- materials.
2. Bio-composite with high modulus of elasticity can be applied in protective materials for automotive part.
3. Help reduce the use of petroleum-based materials which is non-renewable.
4. Ease to process with low viscosity.