

Degradation of Biomass Pellets during Transport, Handling and Storage
An experimental and numerical study

Gilvari, H.

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Propositions

accompanying the dissertation

Degradation of Biomass Pellets during Transport, Handling and Storage

An experimental and numerical study

by

Hamid Gilvari

1. Current global standards for assessing the quality parameters of biomass pellets do not suffice. (Chapter 2)
2. The length distribution of biomass pellets is a pivotal parameter in determining and retaining their quality. (Chapter 3)
3. Although some breakage models for different materials in DEM have been developed so far, more breakage models considering efficiency and computational costs are required. (Chapter 7)
4. In the light of increasing worldwide energy demand and the shortage of renewable energies, protests against the use of waste biomass for energy purposes are unfair. (This dissertation)
5. You cannot buy toy guns for your kids and expect peace from them.
6. What you try to reach in your life is more important than what you get in practice.
7. Before considering having children, ask yourself what you can pass on to the next generation.
8. The graduate school courses should be interesting enough to trigger the PhD candidates to follow them rather than passing them only for the sake of getting credits.
9. If we wish to create a better future for the living beings of the world, greed and lust must be put aside when transferring the human mind to robots.
10. Like “absorption” and “adsorption”, “love” and “like” are two different words that should not interchangeably be used in our daily life.

These propositions are regarded as opposable and defensible, and have been approved as such by the promoters Dr. ir. Dingena L. Schott and Prof. dr. ir. Wiebren de Jong.