

A conceptual image featuring a hand holding a small green plant with soil, symbolizing growth and care. In the background, a satellite is visible against a light, hazy sky, representing technology and global connectivity. The overall tone is soft and optimistic.

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Analyzing A Text on Agricultural Issues Using Knowledge Graph

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ABSTRACT

Understanding the nature of a problem contained in a text can be difficult since the text may include some ambiguous terms. This may lead to a wrong conclusion about the problem due to different interpretation drawn from the text. The theory of knowledge graph can be used to analyze the text and present the result in a graph. The theory provides an easier way to draw a conclusion about the problem since the resulted graph expresses an abstraction of the problem in a more concise form.

In this research knowledge graph is used to analyze five texts on bio-fuel step by step. The result shows that the texts have a common concept which describes the definition of bio-fuel itself. In addition, the result shows a specific concept which conveys main idea of each text. Based on these common and specific concepts, the conclusion can be drawn. This gives a policy maker consideration especially concerning issues that may be taken into account.

Keywords: knowledge graph; text abstraction; word graph; ambiguous terms; concept