It can be seen in a search of the literature that studies in which the keyword vermicomposting is mentioned (Gorbunova et al., 2020; Jośko et al., 2020) mostly focus on issues such as the effects of vermicomposting use, and its efficiency on '..effectiveness with regard to ..' PERHAPS? different products. In this study an artificial intelligence-based system has been developed to separate cocoons used in vermicompost production from compost. Consequently, our study can be compared with studies that identify and separate agricultural products with the help of computer vision techniques. We can divide the studies in this field into two groups – those based on image processing and those based on deep learning IS THIS WHAT YOU MEAN?. It is seen that topics such as identifying different agricultural products (Fu et al., 2018; Tian et al., 2019), classifying agricultural products (Ji et al., 2020; Knoll et al., 2019), and defects and disease detection (Afonso et al., 2019; Uğuz and Uysal, 2020) are investigated more I DO NOT UNDERSTAND THIS. MORE THAN WHAT? in both groups.

In this study since a real-time separating system has been developed, studies that detect or classify agricultural products in real time are also relevant to this study. In some studies using real-time object detection and a conveyor assembly system, models based on image processing have been used. Wang et al. (2018), developed an image processing-based system for the classification of white mushrooms using the OpenCv library. With a camera and conveyor belt system, they were able to classify 102 mushrooms per minute with 97% accuracy according to their '..in terms of ..' PERHAPS? size. Compared to manual classification results they achieved a 38% improvement in terms of classification speed, and a 6.8% improvement in accuracy. Sofu et al. (2016) proposed a PLC FULL TERM?

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