A Case study of developing e-learning contents of agricultural safety and health for various crops

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ABSTRACT

This paper is to present a case study of developing e-learning contents of agricultural safety and health for farmers in Korea. The e-learning contents were developed to inform aged agricultural workers of the guidelines of safety and health effectively and efficiently. For each crop, 3 main tasks with high risk were selected after risk assessment being carried out for the whole tasks of cultivating. The risks related to the main tasks and practical measures were presented in the program in the form of animation with easy explanations. The e-learning contents were designed based on animation and some interactive operations so that the farmer can use them with fun. In particular, some exercise motions were included in the program so that the farms can practice for the prevention of musculoskeletal disorders. The e-learning contents are expected to be practically and easily used in educating and training older farmers for safe agricultural tasks.

Keywords: Agricultural Ergonomics, Agricultural Safety and Health, E-learning Contents