SUPRIYANTO, Hot Pepper (Capsicum Annuum. L) Online Agribusiness Consultation System. Under supervision of KUDANG BORO SEMINAR, SRIANI SUJIPRIHATI, and HENDRA RAHMAWAN.

The objective of the research was to develop an online consultation system for Chili Pepper (Capsicum annuum. L) agribusiness. The method included problem identification, the search knowledge sources, knowledge acquisition, knowledge representation and online consultation system development. Knowledge from the expert and other’s materials has been captured and represented using production rules for develop the system. The system was developed using extreme programming (XP) which included the stages of analysis, design and implementation. The results of this research is on line chili pepper agribusiness consultation system consisting of consultation modules like choosing the chili pepper variety, determination of fertilizer dosage, pest and disease handy, cultivation knowledge, farming business analysis, climate conditions, government policies, and chili pepper price information. The prototype of the system has been implemented using PHP and MySQL and running well on the internet. User can access the system using internet browser at www.cabe.ipb.ac.id.

Keyword: Chili pepper consultation system, Capsicum annuum, Extreme Programming