

## ABSTARCT

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High school students class X (Ten) will continue their education to the next grade, should determine the choice of majors ipa or ips. This is a dilemma that choice should be decided by high school students. Decision-making for the determination of the majors in a school to be accurate, as well as in high school Sandhy PUTRA TELKOM. Therefore, it made the decision support systems majors ipa / ips using fuzzy algorithms. The system is built with the prototype method, using the programming language PHP, MySQL database, fuzzy algorithm multi-criteria decision making and SMS broadcast Gammu. Implementation of the system in the form of a website portal to make decisions ips or ipa majors and majors results provide information to their parents via SMS broadcast.

Keywords: decision support system, fuzzy multi criteria decision making