

## INTUITIONISTIC FUZZY PARAMETERISED FUZZY SOFT SET (Set Lembut Kabur Berparameter Kabur Berintuisi)

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### ABSTRACT

In this paper, the definition of intuitionistic fuzzy parameterised fuzzy soft set (*ifpfs*-sets) is introduced with their properties. Two operations on *ifpfs*-set, namely union and intersection are introduced. Also, some examples for these operations are given. The definition of *ifpfs*-aggregation operator which forms *ifpfs*-decision making method is introduced.

**Keywords:** soft set; fuzzy soft set; fuzzy parameterised fuzzy soft set; *ifpfs*-sets; *ifpfs*-aggregation operator; *ifpfs*-decision making method

### ABSTRAK

Dalam makalah ini, diperkenalkan takrif set lembut kabur berparameter kabur berintuisi (set-*lkbki*) beserta sifat-sifatnya. Turut diperkenalkan dua operasi ke atas set-*lkbki*, iaitu kesatuan dan persilangan. Hasil-hasil yang berkaitan dan contoh untuk operasi ini diberikan. Diperkenalkan juga takrif pengoperasi pengagregatan-*lkbki* yang membentuk kaedah pembuatan keputusan-*lkbki*.

**Kata kunci:** set lembut; set lembut kabur; set lembut kabur berparameter kabur; set-*lkbki*; pengoperasi pengagregatan-*lkbki*; kaedah pembuatan keputusan-*lkbki*

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