

TEOREMA INTERPOLASI UNTUK LOGIKA PREDIKAT SUBSTRUKTUR DENGAN ATURAN *MINGLE*

Bayu Surarso
Program Studi Matematika FMIPA UNDIP
Jl. Prof. Soedarto, SH, Semarang, 50275

Abstract. It is known that the interpolation theorem for Full Lambek Substructural Logic and its standard extensions can be proved using proof-theoretical methods. In fact, they can be proved by a well known method called Maehara's method, or its modifications. In the present paper, by proving the cut elimination theorem and then using a modification of Maehara's method, we prove the interpolation problem for logics obtaining from some standard extensions of Full Lambek Logic by adding rule called mingle.

Keywords: Interpolation theorem, cut elimination theorem, Maehara's method, FL, mingle.