

## ON CERTAIN CLASS OF MEROMORPHIC HARMONIC CONCAVE FUNCTIONS DEFINED BY SALAGEAN OPERATOR

(Mengenai Kelas Fungsi Cekung Harmonik Meromorfi Tertentu yang Ditakrif  
oleh Pengoperasi Salagean)

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### ABSTRACT

A class of meromorphic harmonic concave functions defined by Salagean operator in the unit disc is introduced. Coefficient bounds, distortion inequalities, extreme points, geometric convolution, integral convolution and convex combination for the functions belonging to this class have been achieved.

*Keywords:* Meromorphic function; harmonic function; concave function; Salagean operator

### ABSTRAK

Dalam makalah ini diperkenalkan kelas fungsi cekung harmonik meromorfi tertentu yang ditakrif oleh pengoperasi Salagean dalam cakera unit. Batas pekali, ketaksamaan erotan, titik ekstrem, konvolusi geometri, konvolusi kameran dan gabungan cembung bagi fungsi yang terkandung dalam kelas ini diperoleh.

*Kata kunci:* fungsi meromorfi; fungsi harmonik; fungsi cekung; pengoperasi Salagean

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