

## FULLY RIGHT PURE GROUP RINGS (Gelanggang Kumpulan Tulen Kanan Penuh)

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### ABSTRACT

In this paper, we study the pure right ideal in rings, and then the fully right pure rings. The necessary and sufficient conditions for a ring  $R$  to be fully right pure ring are determined. Also, we study some properties of fully right pure rings. Finally we study the fully right pure group rings. The necessary and sufficient conditions on a group  $G$  and a ring  $A$  for the group ring  $A[G]$  to be fully right pure group ring are determined.

*Keywords:* pure ideal; fully pure ring; group rings; fully right pure group rings

### ABSTRAK

Dalam makalah ini kami mengkaji unggulan kanan tulen dalam gelanggang, dan seterusnya unggulan tulen kanan penuh. Syarat-syarat cukup dan perlu untuk suatu gelanggang  $R$  menjadi gelanggang tulen kanan penuh ditentukan. Kami juga mengkaji sifat-sifat bagi gelanggang tulen kanan penuh. Akhirnya kami mengkaji gelanggang kumpulan tulen kanan penuh. Syarat-syarat cukup dan perlu bagi suatu kumpulan  $G$  dan suatu gelanggang  $A$  bagi gelanggang kumpulan  $A[G]$  untuk menjadi gelanggang kumpulan tulen kanan penuh ditentukan.

*Kata kunci:* unggulan tulen; gelanggang tulen penuh; gelanggang kumpulan; gelanggang kumpulan tulen kanan penuh

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