

## On the hardy littlewood polya majorization inequality

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20338737&lokasi=lokal>

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### Abstrak

This skripsi studies some variance of Majorization Inequalities such as the Classical Hardy-Littlewood-Pólya Majorization Inequality together with its Riemann integral form. The classical inequality is generalized by using the concept of relative convexity and as a result we have The Generalization of Hardy-Littlewood-Pólya Majorization Inequality together with its Riemann integral form. The proof of the generalized version given here is due to C.P Niculescu and F. Popovici. Some examples of the application of the resulting inequalities will also be given in this skripsi such as the proof of Jensen inequality and power mean inequality.