

## Evaluasi teknik pemutihan dalam restorasi kertas arsip

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20427409&lokasi=lokal>

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### Abstrak

The objective of this research is to study the effects of bleaching on paper archives so the possibilities of bleaching techniques used in the restoration of archives will be known. Experiments were conducted on papers often used as the based material for the archives and archives that have hundreds years old age. Bleaching was done by soaking the solution of potassium permanganate and oxalic acid for fifteen minutes. Control papers and treated papers were analyzed for physical and chemical characteristics, including physical condition, acid content, tear resistance and folding endurance. The effects of bleaching were known by comparing analysis results of control papers and treated papers. The results showed that the bleaching process on white paper made the color of paper darker, but on brown paper be whiter. Other results showed that bleaching process reduced the physical and chemical properties of paper and risky very much such as losing the letter on the paper, tearing, wrinkling/waving, uneven color and the emergence of new stains. The bleaching technique do not recommended for historical and national interest archives.