

INTISARI

Tujuan penulisan karya akhir adalah mengidentifikasi dan mempelajari pengaruh penambahan presentase bahan perekat terhadap kerekatan cat tutup pada artikel *action leather* serta faktor-faktor yang berpengaruh terhadap kerekatan cat tutup. Bahan baku yang digunakan ialah kulit *split sapi crust*. Penggunaan *cross linking agent* pada formulasi awal sebesar 20%, menghasilkan kerekatan cat tutup pada kulit yang secara organoleptis tidak memenuhi standar konsumen. Sehingga dilakukan kajian teori perbaikan dengan melakukan penambahan persentase *cross linking agent* menjadi 25%. Berdasarkan hasil kajian teori, penambahan *cross linking agent* pada lapisan film poliuretan dapat menghasilkan lapisan yang lebih baik. Faktor-faktor yang dapat mempengaruhi kerekatan suatu lapisan yaitu ketebalan lapisan, luas penampang lapisan, kekerasan substrat media, metode penerapan *finishing*, bahan *finishing*, serta rasio penggunaan bahan perekat dan cat.

Kata kunci : *Action leather*, *Cross linking agent*, Kuat rekat

ABSTRACT

The purpose of the final paper is to identify and study the effect of adding a percentage of the adhesive on the adhesion of the top coating on the action leather article and the factors that influence the adhesiveness of the top coating. The raw material used is cow crust split leather. The use of cross linking agent in the first formulation was 20%, resulting in adhesiveness of the top coating on the skin which organoleptically did not meet consumer standards. So it's do theoretical studies of improvement of are made by increasing the percentage of cross linking agent to 25%. Based on theoretical studies, the addition of a cross linking agent to the polyurethane film layer can produce a better layer. The factors that can affect the adhesiveness of a layer are the thickness of the layer, the cross-sectional area of the layer, the hardness of the media substrate, the method of applying the finishing, the finishing material, and the ratio of the use of adhesives and paints.

Keyword : Action leather, Cross linking agent, Adhesion strength