Abstract

In this day and age, the spread of pornography is very quick. There are many party perceives worried about negative impact of spread of pornography in the internet. To prevent undesirable things, as essential to identify porn content so the spread of pornography can be restrained. One form of pornography is picture of naked human.

The image of naked human can be detected by skin color detection and human body skeleton detection. In this final task detects skin color did by convert RGB'S image into YCbCr. Area that detected as skin color is the area that have Cb's point range among 77 until 127 and Cr's point range among 133 until 173.That skin area be formed the skeleton by Stenford Thinning algorithm.

Result of this research get optimal rule that skeleton was said by human body skeleton if available chest, head, foot, and waist with head longing minimal 19 pixel (image already most normalization), ratio of foot and head among 1.0857 until 4.8800, and ratio of waist and head among 0.7609 until 1.7600. With that rule, this system gets 83% accurate.

Key Word *: porn*, *skeleton graph* , YCbCr