PROJECT REPORT

CONVERTING TEXT INTO IMAGES CAPTCHA

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APPROVAL AND RATIFICATION PAGE

PROJECT REPORT

Converting Text Into Images CAPTCHA

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STATEMENT OF ORIGINALITY

I, the undersigned:

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Certify that this project was made by myself and not copy or plagiarize from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I am ready to accept a sanction.

Semarang, 18 July 2014

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ABSTRACT

CAPTCHA is used to prevent applications from using different types of bots computing services or collect certain types of sensitive information. Include preventing bots sign up for a free email account which can then be used to send spam and collect email addresses. CAPTCHA to prevent spam bots generated by requiring that the sender does not pass the CAPTCHA test before the email message is sent. The writer would like to create a simple CAPTCHA but the results are more complicated to read by bots.

CAPTCHA was created using PHP and Ajax by utilizing GD Library for PHP. The writer makes a keyword will be randomly assigned each letter itself, a word which appears to consist of 4 to 7 letters. Then the results of random words will be converted to image utilizing GD Library CAPTCHA. The shape of each word will be different font for each word appears and the color of each letter will also be different. The background color will change and be added to the line so that the lines make the CAPTCHA image more interesting.

The result is an image CAPTCHA text containing a random number of letters between 4 to 7 and will be different colors. With the establishment of random per letter aims to make it difficult for a bot to solve the CAPTCHA code. So that spam will not be able to get into a web page.

Keyword : CAPTCHA,PHP,Ajax.

FOREWORD

First of all the writer would like to thank the Almighty God for all the strength that is given in the execution of this project. So the writer were able to finish this project on time. Then writer also grateful for all the support and prayers of parents and families, which adds to the spirit of the writer to work on this project. Not to forget also to all lectures in the Faculty of Computer Science, all friends of Ikom or not and also Ikom Unika Soegijapranata Catholic University. The writer want to apologiez because this project is maybe not perfect. And the writer hope that this project can be beneficial to all.

Semarang, July 18 2014

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