

## Abstract

Information Technology has become more advanced, supported by well structure and infrastructure, need for information could be afforded, whatever it is , with using any technology, by anyone, and anytime. Escorted by fast growing mobility, convergence, and simplicity for accessing information technology, made information representation has changed. One kind of shape in which information visually represented for example is *Visual Tag*.

Based on that statement, the author doing an analysis and implementation of *Web Service* technology which adapted capability for decoding *Visual Tag*, which result information searching information based on certain *Visual Tag* could be obtained. Based on result in testing and analyzing, system is able to do decoding process of *Visual Tag*, however it need an addition for preprocessing to raise the decoding result from *Visual Tag*.

Hope that this system could be the technology which could provide information service based on *Visual Tag*. Because it is easily adapted and developed for any existing *device*.

**Kata kunci:** *Visual Tag, Web Service, preprocessing, device, decoding*