**STTI NIIT I-TECH**

**INFORMATION SYSTEMS BACHELOR DEGREE PROGRAM**

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**PERANCANGAN DAN IMPLEMENTASI SISTEM PAKAR DIAGNOSA PENYAKIT TULANG BELAKANG BAGIAN PINGGANG BERBASIS WEB MENGGUNAKAN METODE FORWARD CHAINING**

# ABTRACT

The spine is a very important part of supporting everyone's daily activities, a very important part that supports the human body. In this era of development, not many people still ignore the health of the body, especially the spine, which does have an important role in human survival. From eating habits and sitting habits for a long time can be bad for the health of the spine. In an era of development like this also has a good impact, all information needed can be accessed and obtained through the internet, all information we can get on the internet. With applications that can help with daily needs and activities, everything becomes easy, as well as applications in health care. Where the application can provide information about the disease, provide training in the form of certain tasks, help make decisions and provide conclusions from symptoms of illness or diagnosis. With an application that can help provide an initial diagnosis of an illness based on the symptoms experienced it can make it easier to draw conclusions when feeling sudden pain - in certain parts of the body in this case the spinal cord.

In this study the material and resources needed are obtained from books and information from an expert in the spine field, namely a physiotherapist and a physiology medical school graduate. As well as observations and experiences experienced by several sources with an average age of 18-25 years.

This expert system website is designed using use case diagrams, activity diagrams, and sequence diagrams. And it has been implemented using the PHP Native programming language, designed using the CSS Bootstrap framework and using MySQL as a database.

Keywords : perancangan, website, pakar, sistem pakar, php, penyakit, tulang belakang, diagnosa.