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Title of the Paper

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Forward Chaining.

Abstract *(please write an abstract and it should be written in English, Times New Roman, 10 pt, bold, italic, center)*

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I. INTRODUCTION -

At an early age, a child has a golden age or commonly called the golden age. This golden age phase is very important for both parents to pay attention to, because in this phase a child's growth develops so rapidly. The golden age is the right time for parents to determine how they want their children to be directed. One of the things that parents need to know during their child's golden age is to know what parenting style they are applying to their child (Maftuchatunni'mah & Nasir, 2022). By knowing what parenting styles are being applied to children, parents can easily determine the next steps in directing the child's growth and development (Asri, 2018).

However, in reality most parents do not understand how important it is to know what parenting style they are applying to their child. According to data obtained from an interview with a psychologist (Meti Zakila B. M.Psi.), it was stated that from 2016-2022 there were around 90% of parents who consulted

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about their child's problems, especially regarding parenting. From these data it can be seen that there are still many parents who have not been able to understand and know about what parenting style they are applying to their baby. Therefore, efforts are needed so that parents can find out what parenting styles they are applying to their children. According to Diana Baumrind (Albar & Andriani, 2021) there are 4 types of parenting that are commonly found in society, namely authoritarian parenting where the demands on children are very high but the parents' response to children is low. Permissive parenting style where the demands on the child are low but the response to the child is high. Authoritative parenting or commonly referred to as democratic parenting where the demands and responses of parents are at the same level. And the last is parenting style (uninvolved) in which the demands and responses from parents are both at a low level. One effort parents can make to find out about the parenting style they are applying to their children is to come directly to a psychologist or someone who is an expert in that field.

However, to meet and consult directly with an expert, parents have to pay quite a bit to find out what parenting style they are implementing as well as suggestions and solutions related to this parenting style. With an expert system using the website-based forward chaining method, it can be one of the right solutions to bridge this problem. An expert system is a system that has the ability to make decisions like an expert (Listiyono, 2008). In another sense, an expert system is a system in which there is knowledge, facts and reasoning techniques, which are designed to be able to solve a problem that normally can only be solved by an expert (Verina, 2015). The method used in making this expert system is forward chaining and web-based. The forward chaining method is a method of tracking data forward in which the process begins with existing data and combines rules to produce the final result, namely a conclusion (Supartini & Hindarto, 2016). The forward chaining method was chosen because this expert system will later work with recorded data that was done at the beginning and will produce a conclusion. In line with what was explained by (Verina, 2015), that the forward chaining method is very appropriate when working with a case that starts with data recording at the beginning and has the goal of producing a final solution. There is previous research that has been done regarding the classification of parenting styles for children, as has been done (Maftuchatunni'mah & Nasir, 2022) in his research entitled Classification of Parenting Styles for Early Childhood Using the Naïve Bayes Method, proving that expert systems can used to help find out the parenting style that is being applied by parents to children. The purpose of this research is to produce an expert system website for the classification of parenting styles for early childhood which is expected to help parents find out the parenting styles they are applying to their children as well as suggestions and solutions related to parenting styles without the need to come to an expert directly.

II. Related Works (Optional) – 11 pt

This section is highlights work done by others that somehow ties in with the author work and it also be called the literature review. Literature review is a critical, analytical summary and synthesis of the current knowledge of a topic. It should compare and relate different theories, findings, and so on, rather than just summarize them individually. It should also have a particular focus or theme to organize the review.

III. Methods

This section describes the experimental design, tools, data collection methods, and types of controls. If research is carried out in nature, the author describes the research area, location, and also explains the work done. The general rule to keep in mind is that this section should be detailed and clear so that the reader has the basic knowledge and techniques to develop. The methods sections should tell the reader clearly how the results were obtained. They should be specific. They should also make adequate reference to accepted methods and identify differences.

IV. Results And Discussions

The results section and the following discussion section allow the most flexibility in terms of organization and content. In general, the pure, unbiased results should be presented first without

interpretation. These results should present the raw data or the results after applying the techniques outlined in the methods section. The results are simply resulting, and they do not draw conclusions.

The main purpose of the results section is to provide the data from the study so that other researchers can draw their own conclusions and fully understand the basis for the conclusions. A common format for the results section is to present a series of figures and to describe the figures in detail through the text. A good results section presents clear figures with efficient text. The figures should support the assertions in the paper or illustrate the new insights. Where applicable, results should be illustrated in terms of non-dimensional variables.

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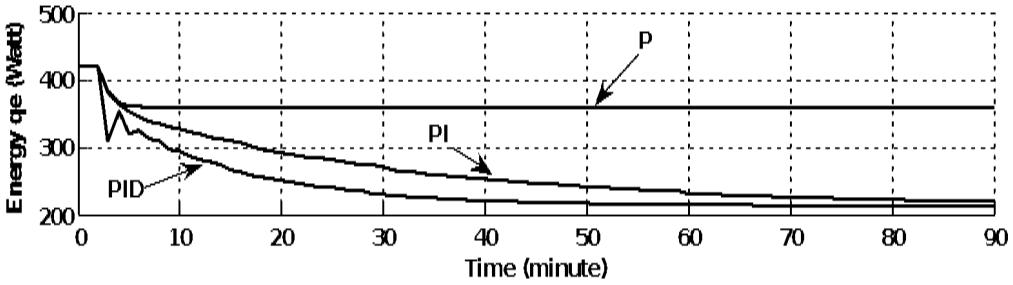


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Tabel 1. (10 pt, *bold*) Caption for table 10 pt, start a word with a capital letter except conjunctions.

No	Variabel	Nilai Tunak
1	Volumetric flow rate-1, f_1 (cm^3/detik)	106
2	Volumetric flow rate -2, f_2 (cm^3/detik)	71
3	Volumetric flow rate -3, f_3 (cm^3/detik)	177
4	Consentrate rate-4, c_1 (gr/cm^3)	0

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$$F = \sum_{i=1}^{n} \left(\frac{p_{CO_2}^{data} - p_{CO_2}^{pers.}}{p_{CO_2}^{data}} \right)^2 \quad (1)$$

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The recommendations based on the results obtained. It contains the main points of research suggested to other researchers in implementing or continuing the research.

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[1] R. P. N. Budiarti, J. Maulana, and S. Sukaridhoto, "Aplikasi DIY Smart Trash Berbasis IoT Open Platform," *Appl. Technol. Comput. Sci. J.*, vol. 1, no. 2, pp. 93–104, 2018.
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[3] J. M. Ward and P. M. Griffiths, *Strategic planning for information systems*. John Wiley & Sons, Inc., 2007.
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