dedication (optional)

Summary

Write your summary here...

Preface

Write your preface here...

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List of Tables

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Abbreviations

Symbol = definition

Chapter 1

Introduction

1.1 Equations

To write an equation

```
\begin{eqnarray}\label{eq1}
F = m \times a
\end{eqnarray}
```

This will produce

$$F = m \times a \tag{1.1}$$

To refer to the equation

```
\eqref{eq1}
```

This will produce (1.1).

1.2 Figures

To create a figure

```
\begin{figure}[h!]
  \centering
    \includegraphics[width=0.5\textwidth]{fig/pikachu}
  \caption{Pikachu.}
\label{fig1}
\end{figure}
```

To refer to the figure

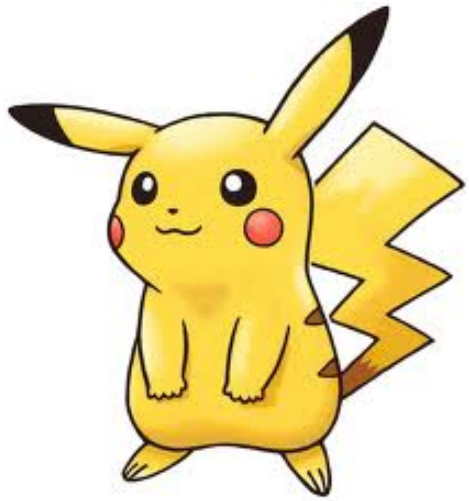

Figure 1.1: Pikachu.

```
\textbf{Fig. \ref{fig1}}
```

This will produce **Fig. 1.1**

1.3 References

To cite references

```
\cite{1,2,3}
```

or

```
\citep{1,2,3}
```

This will produce: Sarma and Chen (2008); Brouwer and Jansen (2004); Muskat (1937) or (Sarma and Chen, 2008; Brouwer and Jansen, 2004; Muskat, 1937), respectively.

1.4 Tables

To creat a table

```
\begin{table}[!h]
\begin{center}
    \begin{tabular}{ | l | l | l | l | l |}
    \hline
    \textbf{No.} & \textbf{Data 1} & \textbf{Data 2} \\ \hline
```

```
     1 & a1 & b1 \\ \hline
     2 & a2 & b2 \\ \hline
    \end{tabular}
\end{center}
\caption{Table 1.}
\label{Tab1}
\end{table}
```

This will produce

No.	Data 1	Data 2
1	a1	b1
2	a2	b2

Table 1.1: Table 1.

To refer to the table

```
\textbf{Table. \ref{Tab1}}
```

This will produce **Table. 1.1**.

Chapter 2

Literature Review

Chapter 3

Basic Theory

Chapter 4

Experiment

Chapter 5

Analysis

Chapter 6

Conclusion

Bibliography

Brouwer, D. R., Jansen, J. D., 2004. Dynamic optimization of waterflooding with smart wells using optimal control theory. SPE Journal 9 (4), 391–402.

Muskat, M., 1937. Flow of Homogeneous Fluids. McGraw Hill.

Sarma, P., Chen, W. H., 2008. Applications of optimal control theory for efficient production optimization of realistic reservoirs. In: Proceedings of the International Petroleum Technology Conference. Kuala Lumpur, Malaysia.

Appendix

Write your appendix here...