# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Abstract</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-9</td>
</tr>
</tbody>
</table>

## I INTRODUCTION

1. Nutrition during infancy and early childhood
2. Energy density and dietary bulk of cereal foods
3. Studies on food intake in infants and toddlers in relation to dietary bulk and energy density
4. Practical approaches to solve the dietary bulk problem
5. Formulation of supplementary infant foods at the home and village level
6. Process of malting and germination
7. The effect of malting on micro-nutrients
8. Malted foods for infants and toddlers
9. Amylase Rich Foods (ARFs)
10. Role of energy as the major cause of Protein Energy Malnutrition (PEM)
11. Energy intake and growth

## II REVIEW OF LITERATURE

12. Energy intake and growth

## III METHODS AND MATERIALS

1. General objectives of the study
Table of Contents

1 Development of porridge ..  158
2 Intake of Control and Experimental gruels by infants and toddlers ..  159
3 Mean calorie intake of Control and Experimental gruel fed groups  163

VII RESULTS AND DISCUSSIONS ON FEEDING TRIALS WITH WHEAT GRIELES FOR SIX MONTHS AMONG INFANTS AND TODDLERS (6-24 MONTHS) AND EVALUATION OF THEIR CALORIE AND PROTEIN INTAKE ..  167-202
1 Monitoring the daily gruel intake of child subjects for a period of six months  168
2 To study the type of illness and its duration among the child subjects during the feeding trial of six months  180
3 Calorie and protein intake from home diets ..  189
4 Additional calorie and protein intake from the gruels ..  198

VIII RESULTS AND DISCUSSION ON THE GROWTH AND NUTRITIONAL STATUS OF INFANTS AND TODDLERS SUBJECTED TO FEEDING TRIALS ..  203-234
1 Impact of gruels on growth ..  216
2 Impact of gruels on nutritional status of children ..  222
3 Calorie intake and body weight ..  230

IX SUMMARY AND CONCLUSIONS ..  235-262

BIBLIOGRAPHY ..  263
APPENDICES ..  297