Logbook

October 28, 2024:

Finished initial project proposal

November 7, 2024:

Final proposal approved

November 18, 2024:

Began background research about yeast

November 21, 2024:

Began background research about measuring alcohol percentage

November 24, 2024:

Began background research about yeast use in different industries

November 26, 2024:

Began background research about temperature effect on yeast fermentation

December 10, 2024:

Bought hydrometer, heat mat, fermenter, and yeast

December 20, 2024:

Materials arrived

December 21, 2024:

Set up experiment at 21℃

December 26, 2024:

Results for 21℃ iteration:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SG** | **ABV%** | **° Brix** |
| **Day 1** | 1.160 | 21 | 36 |
| **Day 2** | 1.157 | 20 | 35 |
| **Day 3** | 1.132 | 17 | 30 |
| **Day 4** | 1.114 | 15 | 27 |
| **Day 5** | 1.096 | 13 | 23 |
| **Day 6** | 1.080 | 10 | 19 |

Started 2nd iteration of experiment at 6℃

January 1, 2025:

Results for 6℃ iteration:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SG** | **ABV%** | **° Brix** |
| **Day 1** | 1.160 | 21 | 36 |
| **Day 2** | 1.165 | 22 | 37 |
| **Day 3** | 1.160 | 21 | 36 |
| **Day 4** | 1.160 | 21 | 36 |
| **Day 5** | 1.160 | 21 | 36 |
| **Day 6** | 1.160 | 21 | 36 |

Started 3rd iteration of experiment at 30℃

January 6, 2025:

Results for 30℃ iteration:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SG** | **ABV%** | **° Brix** |
| **Day 1** | 1.160 | 21 | 36 |
| **Day 2** | 1.148 | 19 | 34 |
| **Day 3** | 1.120 | 16 | 28 |
| **Day 4** | 1.102 | 13 | 24 |
| **Day 5** | 1.076 | 10 | 18 |
| **Day 6** | 1.054 | 7 | 14 |

Completed all the iterations of the experiment

January 7, 2025:

Writing analysis and conclusion

January 8, 2025:

Writing extension

January 20, 2025:

Revised information

January 25, 2025:

Started working on my trifold

January 29, 2025:

Trifold completed