



Let's See the C

The experiment

Making the cake

- 1. Preheat oven to 180°C.
- 2. Beat together eggs and sugar, until the mixture is light and fluffy. Add the oil slowly, while beating.
- 3. Continue beating, gradually adding the orange juice alternately
- 4. with the flour and baking powder, until the batter is uniform.

 Remove one tablespoon of the cake batter and place it in a small
- 5. plate to check for the presence of vitamin C prior to baking.

 Transfer the rest of the batter to two loaf pans and bake for
- 6. about 40 minutes.
 - Optional: Prepare fruit syrup by dissolving two tablespoons of
- 7. sugar in ½ of a cup of orange juice, and pour it over the cakes while they are still warm.

Preparing the solution and checking for the presence of vitamin C

- 1 Make the starch solution from 1 teaspoon of potato flour and 1 cup of water. Start by adding the flour to ¼ cup of cold water and mix. Then add hot water until the cup is full.
- 2. To test for the presence of vitamin C in the unbaked batter: In a small bowl, add one teaspoon of the starch solution to the tablespoon of cake batter, as well as a few drops of the iodine solution. A blue color will initially appear, but will disappear completely in a short time because there is enough vitamin C.
- 3. When the cake is ready, take a slice from it. Pour over the slice a teaspoon of the starch solution and a few drops of the iodine solution. A blue color will appear, then gradually disappear, although not completely because some of the vitamin C is degraded.