CLAIMS

1. Use of a composition comprising *Lactobacillus plantarum* CJLP55 or a culture solution thereof in the preparation of a medicament for improving skin conditions,

wherein the improving skin conditions is one or more selected from the group consisting of sebum suppression, sebum component improvement, acne improvement, reducing skin oil, increasing skin moisture, improvement of skin acidity, improvement of dermatitis caused by sebum, and improvement of dermatitis caused by harmful skin bacteria.

2. The use of claim 1, wherein the medicament is comprised in a health functional food.

3. The use of claim 1, wherein the *Lactobacillus plantarum* CJLP55 or a culture solution thereof is contained in an amount of 3 wt% to 15 wt%.

4. The use of claim 1, wherein the composition further comprises maltodextrin and glucose.

5. The use of claim 1, wherein the medicament is adapted for oral administration.

6. The use of claim 1, wherein the improving skin conditions comprises reducing one or more selected from the group consisting of a triglyceride, cholesterol, a cholesterol ester, and a free fatty acid in sebum, or increasing a ceramide.

7. The use of claim 1, wherein the composition has antibacterial activity against microorganisms belonging to the genus *Propionibacterium* or the genus *Staphylococcus*.

8. The use of claim 7, wherein the microorganisms belonging to the genus *Propionibacterium* are *Propionibacterium acnes*.