Thế **(1)** vào **(2)**:

$$\Rightarrow \sum_{w_i \in V} \frac{count(w_i, c_j)}{\lambda} = 1$$

$$\Leftrightarrow \frac{1}{\lambda} \sum_{w_i \in V} count(w_i, c_j) = 1$$

$$\Leftrightarrow \lambda = \sum_{w_i \in V} count(w_i, c_j)$$

$$\Rightarrow \hat{P}(w_i, c_j) = \frac{count(w_i, c_j)}{\lambda} = \frac{count(w_i, c_j)}{\sum_{w_i \in V} count(w_i, c_j)}$$

$$hay \quad \hat{P}(w_i | c_j) = \frac{count(w_i, c_j)}{\sum_{w \in V} (count(w, c_j)} (dpcm)$$